STIC-Biot ch/Ch mLib

61492

From:
Sent:
To:
Subject:

Pak, Michael Friday, March 01, 2002 8:59 AM STIC-Biotech/ChemLib 09/276,935 sequence search

Sequence search - 2 month amendment App. #: 09/276,935 Result format: Paper. Title:an orphan nuclear receptor

Please search:

Search commercial and interference database.

SEQ ID NO:13-14

Thanks,

Mike Pak

Michael Pak Art Unit 1646 Mailbox: CM1, Rm. 10C00 Office: CM1, Rm. 10E13 703-305-7038

Michael Pak USPTO Art Unit 1646 CM1; Rm. 10E13 703-305-7038 :dward Han rechnical Info. Specialist STIC/Biotech MI 6802. Tei: 305-9203

Searcher:					
Phone:				_	
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VENDOR/COST(where applic.)	
 	
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	Sequence i. Appl	5	18.6	406.5	82

ALIGNMENTS

amino	
LENGTH: 427 amino acids	
SEQUENCE CHARACTERISTICS:	
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TELEPHONE: (650) 843 - 5000	
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NAME: Nakamura, Jackie N	
APPLICATION NUMBER: US 60/008,606	
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FILING DATE: 13-DEC-1995	
APPLICATION NUMBER: US 60/008,540	٠
PRIOR APPLICATION DATA:	
CLASSIFICATION: 530	
FILING DATE: 13-DEC-1996	٠.
APPLICATION NUMBER: US/OB/764,870	٠.
CURRENT APPLICATION DATA:	٠.
SOFTWAKE: Patentin Release #1.0, Version #1.30	
COPERATING SYSIEM: PC-DOS/MS-DOS	٠.
: COMPUTER: 16M PC compatible	٠.
MEDIUM TYPE: Floppy disk	٠.
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; ZIP: 94306	٠.
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STATE: CA	٠.
Palo Alto	
STREET: Five Palo Alto Square, 3000 El camino Real	
ADDRESSEE: Cooley Godwald	
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SECUENCES	
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[NESKMATION FOR SEQ 10 NO: 10:
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419 LRSINEAYGYQIQHIQGLSAMMPLIQHI 446
                                                                                                                                                                                                                                                                                                                                                                                                                                            340 YVLMOATSLESPERRÖVLÖHRVVEGELOEGFALFILKSYLEONKPOPAEKFLELKIMAMLIE 499
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Parent No. 5710017
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               CLASSIFICATION: 514
PRIOR APPLICATION DATA: 500
APPLICATION NUMBER: 07/843, 300
                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 4.5" Diskotto, 1.44 ME
COMPUTER: TBM PS/2 Model 507 of 555
                                                                                                       CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                     THILL OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                              STRIPE: ZZN F
                                                                     FILLING DATE
                                                                                                                        SETTWARE
                                                                                                                                       COMPUTER: THM PS/2 Model 50% or 558X
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 FILLING DATE:
                                                                                    APPILICATION NUMBER:
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                                                                                                                                                                                                             02110 2804
                                                                                                                                                                                                                                               Massachusetts
                                                                                                                                                                                                                                                                                   225 Franklin Street
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                                                                                                                      WordPerfect (Version 5.0)
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February 26, 1992
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                                                                                      US/08/458,686
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Sequence 10, Application US/07843350C: Patent No. 575648; GENERAL INFORMATION
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APPLICANT: David D.
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INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
           COMPUTER: THM PS/2 Model 50Z or 55SX OPERATING SESTEM: HBM P.C. DWS (Version 3.30) SOFTWARE: WordPerfect (Version 5.0) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/843,350C
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
                                                                                                                                           COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: CAR RECEPTORS AND RELATIVE OF INVENTION: MOLECULES AND METHODS NUMBER OF SEQUENCES: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               400 FAT-------PIMQEL 408
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    FILING DATE:
                                                                                                                       MEDIUM TYPE: 3.5" Diskette,
                                                                                                                                                                                   DUNTRY: U.S.A.
                                                                                                                                                                                                                                                                     ADDRESSEE:
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February 26, 1992
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                                                                                                                                                                                                                                                                                                                                                     CAR RECEPTORS AND RELATED
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INFORMATION FOR SEC 10 NO:
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TELECHMUNICATION INFORMATION:
TELEPHONE: (617) 542-8906
TELEFAX: (617) 542-8906
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                     281 FELCQLRENTVENAETGIMECGELSYCLEDIAG-GFQQLLLLEPMLKFHYMLKKLQLHEEE (49
                                           400 FAT---
                                                                                     259 YVILLAAMALESPDREGVIÖRDEIDOLÕEEMALILUSYIKGOORRERDRELYAKILGIIAE
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319 LRSINEAYGYQIQHIQGLSAMMPLLQEI 346
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                                           -PLMQEL 408
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TITLE OF INVENTION: 1,25-Dihydroxyvitamin D4 Receptor Protein
NUMBER OF SEQUENCES: 6
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APPLICANT: Ross, Troy K.
APPLICANT: Prahl, Jean M.
COMPUTER READABLE FORM:
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                                       U.S.A.
                                                                                                                      Carl R. Schwartz, Esq.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       onery Match 21,6%; Score 472; DE 1; Lebgth 461;
Best Local Similarity 28,3%; Pred. No. 1e 38;
Matches 122; Conservative 80; Mismatches 119; Indets 110; Gaps
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APPLICANI Holloway, M. Kat
APPLICANI Roadan, Gideon
APPLICANI Sedmidt, Azriel
APPLICANI Vagel, Robert
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NAME: Dolan, Cathorino A.
RECISIRATION NUMBER: 46,9
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TELECOMMUNICATION INFORMATION:
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: Patent No. 5679518
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APPLICANT: Friedma
APPLICANT: Rodau,
APPLICANT: Rodau,
APPLICANT: Rutloda
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (908) 594-4720 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REMINISTRATION NUMBER: 46,502
REFERENCE/DOCKET NUMBER: 19327
TELECOMMUNICATION INFORMATION:
TELEVOLUME 7000 700 FORMATION
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                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Dolan, Catherine A
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                                                                      143 QCRERKCKEAGMREQCVLSEEQIRKKK--IRKQQQQESQSQSQSPVGPQGSSSSASGPGA 200
201 SPUGSEAGSQGSGEGEGVQLTAAQELMIQQLVAAQIQCNKRSES · · · · · · -
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ZIP: 07:65-0907
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STREET: 1.
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                                                                                                                                                                                                                                      Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: single
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                                                                                                         83 GHELIZKVIGDKASGFHYNVLSCEGCKGFFRRSVVRGGARRYACRGGGTCQMDAFMRRKCQ 142
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Rutledge, Su Jan
Schmidt, Azriel
                                                                                                                                                                                                                                                                                                                                                                                                                                   461 amino acids
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126 East Lincoln Avenue
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                                                                                                                                                                                                                    Conservative
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28.3%; Pred. No. 1e-38;
htive 80; Mismatches 119; Indels 110;
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US-08-646-248-2
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                                                                                                                                                                                       TELEFAX: (908) 594-47;
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Rutlodge, Su Jane
APPLICANT: Schmidt, Arriel
APPLICANT: Vowel, Robert
TITLE OF INVENTION: METHOD FOR FINDING RECEPTOR POTENTIATORS
NUMBER OF SEQUENCES: 5
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MEDIUM TYPE: Floppy
COMPUTER: 1BM PC COM
                                                         MOLECULE TYPE: peptide
                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: (908) 594-4283
                                                                                                                                                                                                                                                                                                                                     FILING DATE: 27-OCT-1994
AUTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US
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APPLICANT: Holloway, M. Katharine
                                      HYPOTHETICAL:
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COMPUTER: IHM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                         RECERENCE/DOCKET NUMBER: 19327
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                                                                                                    TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                              NAME: Dolan, Catherine A REGISTRATION NUMBER: 36,
                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/430,283
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126 East Lincoln Avenue
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APPLICANT: Holloway, M. Karbarine
APPLICANT: Holloway, M. Karbarine
APPLICANT: Holloway, Green
APPLICANT: Schmidt, Green
APPLICANT: Schmidt, Azriel
APPLICANT: Schmidt, Azriel
APPLICANT: Schmidt, Azriel
APPLICANT: Voqel, Kodaet
LITLE OF INVENTION: METROD FOR FINDING RECEIOR POTENTIATORS
NUMBER OF SEQUENCES. 5
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             MEDIUM TYPE: Floppy disk
component Die
oPERATING SYSTEM: Pr DOS/MS DOS
SOPTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                    MEDIUM TYPE: Froppy
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STRANGEDNESS: Sin
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ALTELLICATION NUMBER:
                                                                                                                                             21P: 07065 0907
                                                                                                                                                                   CHURCHY:
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Bolloway, M. Katharine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            - DOPKY DWF
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                                                                                                                                                                                                                                                   Motok & Co.
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                                                                                                                                                                                                                                                                                                                                       Robert
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                                                                                                                                                                                                                                                                                                                   USE OF KECKPLOK POTENTIATORS
PC1/0895/13941
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                                                                                                                                                                                                                                                                              RESULT 11
US-08-342-411A-2
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                                                                                                                                                                                                                              Sequence 2, Application US/08342411A Patent No. 5639616
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                       GENERAL INFORMATION:
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. EFAX: (908) 594-4720

INFORTALION FOR SED ID NOT 2:

SEQUENCE CHARACTERISTICS
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MOLECULE TYPE: peptide
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NAME: QUADILIATO, CATOL S.
REGISTRATION UNMBER: 35,80
REFERENCE/DOCKET NUMBER: 19816 PCF
                                                               NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                            APPLICANT: LIAW, Shotsung
APPLICANT: SONG, Ching
IIILE OF INVENTION: UBIQUITOUS NUCLEAR RECEPTOR:
FITTLE OF INVENTION: COMPOSITIONS AND METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                           449 LPPLLSEIWDV 459
                                                                                                                                                                                                                                                                                                                                                                                                                      402 - IPLMOELFGI 411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 244 AUMSTYMEKGI (SEAKVISYEKDLPIEDQ) SLUKGAAFELOQLRENI VENAEI GYMEC-- 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            184 TPESTQAESREHAAKWSQVRKDIGSTKVSTQTRGEDGSVWNYKPPADSGGKETESTLPHM 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          201 SPGGSEAGSGGSGEGEGVQLTAAQELMIQQLVAAQLQCNKRSES-------
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 389 PGRVEALQQPYVEALLSYTRIKKPQDQLRFPRMLMKLVSLKTLSSVHSEQVFALRLQDKK 448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              359 HRVVDQEQEAITEKSYIECNREQPAHRE--EFEKIMAMET-----EFA----- 40]
                    STREET:
                                        ADDRESSEE: Arnold, White & Durkee
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                83 GHELCHVCGDKASGFHYNVLSCEGCKGFFRRSVVRGGARRYACRGGGICQMDAFMRRKCQ 142
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STRANDEDNESS: single
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Houston
                      P.O Box 4413
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RESULT 12
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                                                                                                           Sequence 3, Application US/08372652 Patent No. 5932699
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                                                                                   GENERAL INFORMATION:
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TELEX: 79-0924
INFORMATION FOR SEQ 10 No:
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APPLICANT: Moore, David
APPLICANT: Seed; Wordi
APPLICANT: Seed; Wordi
TITLE OF INVENTION: RETINOID X RECEPTOR-INTERACTING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: ARCD154
TELECOMMUNICATION INFORMATION:
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AFFORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                  402 - TPLMOELFGI 411
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        y Match 21.5%; Score 470; DB 1: Local Similarity 28.3%; Pred. No. 1.6e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: 18-NOV
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                                                                                                                                                                                                                                                                                                                                                                      HRVVDOLGEGEATTLKSYTECNRPOPAHRE - - LETXIMAMLI - - - - - - - FFA
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(713) 789-2679
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THEORMALION FOR SEC ID NOT SECURENCE CHARACTERISTICS.
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                                              305 YELED TAGGEOQIJJLERMIKEHYMIKKI,QIJHEEBYVI,MQATSIJESPDREGVI,QHRVVDQ 364
                                                                                               26 CSVQETVIFAKQVPGFIQIGREDQIALLKASTIEIMILGIARRYNHET - ETTIFIKDFT 314
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APPLICANT: GUSIAFSSON, IAN
TITLE OF INVENTION: OR-I ON ORPHAN RECEPTOR BELONGING
TITLE OF LINENTION: FO THE NUCLEAR RECEPTOR FAMILY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NFORMATION FOR SEC ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PILING DALE: 16 AUG-1994
ATTORNEY ACCENT INFORMATION:
NAME: KANTO OFFI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM
MEDIUM TYPE: Diskoti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER:
EILING DATE: 16-AUG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: a
194 SQUSCHCTQ-LTAAQELMIQQLVAAQLQCNKKSFS----
                                         139 -----GVQGLIEEQRMMIRELMOAQMKTFDFTESHFKNFRLPGVLSSGGELPESLQA 190
                                                                              134 LOHIRKOKEAGMREGOVISEEQIRKKKIQKQQQQPPPFTEPASGSSARPAASPGISEAS 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 546
RIGH APPLICATION: 546
ADDRICATION: 546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 1001 G S
CITY: Washington
STATE: DC
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                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: DOS Windows Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUIER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CHINTRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Kagan, Sarah A
REGISTRATION NUMBER: 32141
                                                                                                                     96 ACRERKCLESGMKKEMIMSDEAVEERRALIKRKKSERTGTOPL------- 138
                                                                                                                                                             74 GHELCKVCGDKASGFHYNVLSCEGCKGFFKRSVVHGGAGRYACRGSGLCQMDAFMRRKCQ 133
                                                                                                                                                                                                  17 GPQTCKVCCDKATGYHENVMTCECCKGFFRRAMKRNARLKCPFR-KGACKTTKKTRRQCQ 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IELEFAX: 202-508-9299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LUEQFAITLKSYIECNRPQPAHRF--LFLKIMAMLf-----
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1001 G Street, NW
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                                                                                                                                                                                                                                           Gaps
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96 ACKLEKCLESGMKKEMIMSDEAVEERRALIKEKKSERTGTOPL----

71 GHELCKYOGDKASGFHYNYLSGEGCKGFFKRSVVHGGAGKYACKGSGTCVMDAFMKKKCV 140

37 GPQTCRVCGDKATGYHENVMTCEGGKGEFRKAMKRNARLKIPFR-KGACETTRKTRKOOO 95

Inde1s 102.

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Query Match 20.9%; Score 457; DH 1: Length 444; Best Local Similarity 27.8%; Pred. No. 3e-37; Matches 118, Conservative 78; Mismatches 126; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4, Application US/08342411A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION: Shutsung APPLICANT: LIAO, Shutsung APPLICANT: SONG, Ching
                                                                                                                                                                                                                                                  INFORMATION FOR SEC ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IDM PC compatible
OPERATING SYSTEM: PC-DUS/MS-DOS
SOFTWARE: Parentin Release #1.0, Version #1.40
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 43,928
REFFRENCE/DOCKET NUMBER: ARCDIS4
IELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: UNIQUITOUS NUCLEAR RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  441 IWDV 444
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                                                                                                                                                                           LENGIH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                230 -DOPKVIPWD--
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         251 FKGIISFAKVISYFKDLPIEDQISLLKGAAFELCQLKFNIVFNAETGIWEC - - - GRLSY
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                                                                                                                                                                                                                                                                       TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/US/342,411A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Arnold, White & Durkee STREET: P.C. Box 4443
                                                                                                                                                                                                                                                                                                                                                                                                                             NAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 18-NOV-1994
                                                                                                                                                      ToPoLoGY: linear
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Search compdeted! March 2, 2002, 02.88149 lob thme: 2904 sec

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Database
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence:
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                                                                                      19817
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1: /SIDS2/gcqdata
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2187
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Listing first 45 summaries
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Copyright (c) 1993 - 2000 Compusen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                       SIDS2/qcqdata/qcneseq/qeneseqp/AA1980_DA1:*
/SIDS2/qcqdata/qcneseq/qeneseqp/AA1981_DA1:*
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808.498 Million cell updates/sec
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

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2049	2165	2167	2167	2167	2167	2167	2167	2167	2167	2187	Score
93.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	59.1	100.0	Query Match Length DB
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AAY21799	AAY09515	AAY09516	AAY15933	AAY15936	AAY25411	AAY25410	AAY15932	AAY16035	AAY15931	AAY42691	ID
Human steroid and	Ruman vitamin D re	Human vitamin D re	A human intranucle	A human intranucle	Human nNR7-1 prote	Human nNk7 partial	A human intranucle	A human intranucle	A human intranucle	Human pregnane X r	Description

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AAW25035	AAR/4/39	AAR94169	AAR997 16	AAR96244	AAY 32 374	AAW25034	AAR98140	AAR97982	AAR52980	AAR74738	AAG6 3172	AAR4 3656	AAW94622	AAW 17261	AAG6 3171	AAW93903	AAY17872	AAG63174	AAR41346	AAG63170	AAW9 1902	AAW 325 36	AAB84255	AAY09035	AAY09036	AAH84254	AAYU9U64	AAW68156	AAW47509	AAW94623	AAR98521	AAY42689	AAB84417
kat abiquitous nuc	Kat ubiquitous nuc	OR-1 orphan recept	Retinoid X recepto	Human fortal lung	Mouse CNREH 1. Ma	Human ubiquitous n	NER receptor poten	Human steroid rece	Human recombinant	Human ubiquitous n	Amino acid sequenc	Rat vitamin D rece	Rat vitamin D rece	Rat vitamin U rece	Amino acid sequenc	Mouse TAR receptor	Mouse marlear rece	Amino acid sequenc	Human CAk receptor	Amino acid sequenc	Human CAR receptor	Constitutively act	Amino acid sequenc	Human vitamin bie	Human vitamin b re	Amino acid sequete	Humar, vitamin is re-	Human vitamin Die	Rat vitamin D rece	kat vitamin D rece	Senopus orphan rec	Hist-proquame X re	Amino acid sequenc

ALTGNMENTS

AAY42691 RESULT

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AAY42691 standard: Protein: 414 AA

17-JAN-2000 (First entry)

AAY42691;

New human pregnane X receptor, used to identify specific modulators and agents that induce expression of cytochrome P^{-450} mono-oxygenase . WPI: 1999-601202/51 N-PSDH: AAZ07997. (GLAX) GHAXO GROUP LID. W09948915-A1. Homo sapiens Human; nuclear receptor; prequane X receptor; PXR; CYP; CYP4A4; cytochrome P-450 mono-oxygenase; drug interaction; hPXR. Human progname X receptor (hPXR). Kliewer SA, Willson 27-MAR-1998: 26-MAR-1999; 30-SEP-1999. 98US-0079593. 99WO-US06737.

Claim 4; Fig lA-D; 69pp; English.

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The hPXK is used to identify: its specific modulators, and companies that induce CVP3A4 expression (i.e. to identify drug
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 Homo sapiens
                             treatment.
                                           Human; intranuclear
                                                                      A human intranuctear receptor protein.
                                                                                                    04 - AUG - 1999
                                                                                                                                                            AAY15932 standard; Protein;
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Local Similarity
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95.48;
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Pred. No. 6e 207;
                                          protein; drug development; diagnosis;
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Best Local Similarity 95.4%;
Matches 414; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the nucleic acid sequence was isolated from a human adult cDNA library using a swelltish ANO23 derived probe. The protein can be used for the development of drugs and diagnosis and freatment
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Pred. No. 6e-207;
0; Mismatches 0;
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AAY25410 standard;

Protein;

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12 DEC 1557;
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                                                             ATTRIMOBILECTIONS 414
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Best Local Similarity 95.4%:
Matches 414; Conservative
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Pred. No. 6.3e 207;
Pred. No. 6.3e 207;
O; Mismatches 0: Indels 20
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RESULT RAYLES AND TO ANY LOCAL PROPERTY OF A BUTCH SERVICE SER
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Best Local S
Matches 414
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence represents a human intranuclear receptor protein the nucleic acid sequence was isolated from a human adult cDNA library using a swellitish ANG23 derived probe. The protein can be used for the development of drugs and diagnosts and treatment of various diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            diagnosis and treatment of disease
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hes 414; Conserv
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95.4%; Pred. No. 6.3e-207;
vative 0; Mismatches 0;
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                                                        Query Match
Best Local Similarity
Matches 414; Conserv
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                                                                                                                                                                                                                                           Claim 2: Page 17-19; 48pp; Japanese
                                                                                                                                                                                                                                                                                                                     N PSDB; AAX59968
                                                                                                                                                                                                                                                                                                                                                                                                                    07-MJG-1998;
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                                                                                                                              Sequence
                                                                                                                                                           of various diseases.
                                                                                                                                                                                                                                                                                                                                  WPI: 1999-350330/30
                                                                                                                                                                                                                                                                                                                                                           (NISB ) JAPAN FORACCO INC
                                                                                                                                                                                                                                                                                                                                                                                        11-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                18-MAY-1999
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   4
               1 LEVRPKESWNHADFVHCEDTESVPGKESVNADEEVGGTOJGKVGGDXAIGYHENVMTYEG 60
levrpkeswihadivheedtesvpakpsvnadeevaapgierveadkatayhtiemteea sa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 473 AA;
                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (tirst entry)
                                                                                                                                                                                                                                                                                                                                                                                        97JP-0230335
                                                                                                                                                                                                                                                                                                                                                                                                                    98JP-0224172
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93.4%; Fred. No. 6.46-207;
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61 CKGPERRAMMARDARERGETERKGAGETERKERROGGAGKERKGELEKGELEGGKKKERLKSCENVER - LCC

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                                                                                                                                                                                                 polypoperate liman Viete polypoperates and substances which after Viete signal transduction, can be used for treating metabolic, proliterative or inclammatory conditions, they can be used in the manufacture of members to treat the following conditions; obesity, diabetes,
Nucleus acid vectors encoding for expression of a VDRR polypeptide can
                                       anorexia, lipoprotein detects, hyperlipidaewia, hypercholesterolaewia or
hyperlipoproteinaewia and esteoporosis, rheumatoid arthritis, benian and
wallon humours, hyperprolliciative skin disorders or hyperthyroidism.
                                                                                                                                                                                                                                                                                                                                                                                                                         the present sequence is a human vitamia bireciptor related (VDRR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Clarm 192 Englos 22 24: 3 ppg English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BY KINDT III A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Windstart Al.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TPIXAIGHE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bureau vitamin to receptor reduced gamma 2 protein
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| TELEFA | TELEF
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                                                                                                                                                                                                           MD9919354-A1
                                                                                                                                                                                                                                                                                                        Home suplems
                                                                                                                                                                                                                                                                                                                                                                                                                      hypercholesterolaemia: hyperlipoproteinaemia: osteoporosis; tumour:
hyperproliferative skin disorder; hyperthyroidism.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; vitamin b receptor related protein; VDRR; obesity; diabetes; anorexia; rheumatoid arthritis, lipoprotein detect; hyperlipidaemia;
Rent-1998;
                                                                                            22-APR 1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Buman vitamin b receptor related gamma protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16 JUL 1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY99515 standard; Protein: 447
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SEULZE ONE
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Pred. No. 6, 4e 207;
0; Mismatches 0;
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       be used for treating metabolic, proliferative or inflammatory conditions by introducing them into a mammal. The introduced nucleic acid is then capable of transforming a cell in vivo and then polypeptide is expressed A substance affecting VDRR signal transduction, such as an agonist or antagonist can be used for the manufacture of a medicament for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               anorexia. Lipoprotein detects, hyperlipidaemia, hypercholesterolaemia or hyperlipoproteindemia and osteoporosis, rheumatoid arthritis, bedign and malium Lumours, hyperprotitedative skin disorders or hyperthyroidism.
Nucleic acid vectors encoding for expression of a VDRR polypeptide can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             metabolic, proliferative or inflammatory condition.

N.H. The specification specifically claims the VDRR nucleic acid and polypeptide sequences given in figures 1, 4, 7 and 8, but no figures
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       or inflammatory conditions. They can be used in the manufacture of a medicament for treating the following conditions: obesity, diabetes,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   signal transduction, can be used for treating metabolic, proliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is a human vitamin b receptor related (VDRR) polypeptide. Human VDRR polypeptides and substances which affect VDRR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 19; Page 19-20; 35pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            treating obesity, diabetes, anorexia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New vitamin D receptor related (VDRR) polypeptides, useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N-PSDB; AAX56242
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 ckgftrramkrnarfrepfrkgaceitrktrrgegaerfrkelesgmkkemimsdeavee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 LEVRPKESWNHADFVHCEDTESVPGKPSVNADEEVGGPQTCKVCGDKATGYHFNVMTCEG 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           given in the specification.
                                                                                                                                                                                                                                                                            . PHMADMSTYMFKGITSFAKVTSYFKDLPTEDQISLLKGAAFELCQLRFNTVFNAETGTWE
                                                                                                                                                                                                                                                       phmadmstymtkaiisfakvisytrdlpiedqisllkqaateleglrtntvfnaetqtwe
                                                                                                                                                                                                              CGRESYCLEDTAGGEQQELLEPMEKEHYMEKKEQLHEEEYYEMQATSLESPDREGVLOHK
                                                                                                                                                                                                                                                                                                                                                                                     GCELPESIOAPSKEHAAKWSOVRKDLCSLKVSLQLRGEDGSVWNYKPPADSGGKELFSLL
                                                                                                                          VVDQLQEQFAITEKSY (ECNREOPAHRELELK IMAMLTE:
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                                                                                                                                                                    carlsycledtadufqqlllepmlkfhymlkklqlheeeyvlmqaisltspdrpqvlqhr
                                                                                                                                                                                                                                                                                                                                                                                                                              rralikrkksertgtgplgvqqlteeqrmmirelmdaqmktidttfshiknirlpgvlss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RRALIKKKKSEKIGTOPLGVOGLIEEQRMMIRELMDAQMKTEDTTESHEKNERLPGVLSS 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mevrpkeswnhadfvhcedtesvpgkpsvnadeevggpqiervcgdkatgyhfnvmtceg
                                                                                 vvdqlqeq1aitlksyiecnrpqpahrtlflkimamltelrsinaqhtqrllriqdihpf
                                                                                                                                                                                                                                                                                                                                                                  4 1 3 ;
                                                                                                                                                                                           4 17 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dahlberg M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (99.0%;)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 2165; DB 20; Length 437; Pred. No. 8.9e-207;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 and rheumatoid arthritis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20;
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AAY21799
ID AAY2
RESULT
                                                                                                                               Also, modulating endogenous SXR is used to treat disease, particularly an agonist is used where endogenous steroid levels are excessive (e.g. Cushing syndrome, virilism and hirsuitsm in when, polycystic ovarian disease; Il beta-, I7- or 21-hydroxlase deficiency; i beta-hydroxysteroid dehydrogenase deficiency, or breust, colorectal or prostatic cancer).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Misc-difference 227
                                                                                                                                                                                                                                                                                                                                                        steroids, and thus affects metabolism. SXR is a broad specificity, affinity receptor for reducing excessive levels of steroids in the
                                                                                                                                                                                                                                                                                                                                                                                                                transcription through response elements present in steroid-inducible P450 qenes, in response to a wide variety of natural and synthetic steroid hormones and (iv) is prominently expressed in liver and intestine. SXR prominently expressed in liver and intestine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY21799;
                                  involved in undestrable drug interactions. Antibodies specific for S are used in immunohistochemical testing for studying distribution? expression donsity of SXR, also for diagnosis and therapeutically as
                                                                                          while antagonists are used where endowenous steroid levels are too low Colls that express SXR are used to identify compounds likely to be
                                                                                                                                                                                                                                                           breast cancer (treated with tamoxifen, ratoxiten etc.) or osteoporosis
                                                                                                                                                                                                                                                                            reduce steroid toxicity in subjects being treated with steroids, e.g. in cases of tuberculosis (treated with ritampin and related compounds).
                                                                                                                                                                                                                                                                                                                     steroids particularly phytoestrugens or calcium channel blockers, to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SXR (steroid and xenobiotic receptor). SXR (i) forms a heterodimer with retinoid X receptor (RXR), (ii) binds to a direct or inverted repeat response element motif based on the half-site AGTTCA, (iii) activates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New steroid and xenobiotic receptor, used to identify modulators controlling metabolism of steroids and xenobiotics, e.g. reducing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N-PSDB: AAX85080
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W09935246-A[
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polycystic ovarian disease; cancer; colorectal; prostatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     breast cancer; osteoporosis; Cushing syndrome; virilism, hirsutism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      phytoestrogen; calcium-channel blocker: steroid toxicity: tuberculosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nuclear receptor: SXR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human steroid and xenobiotic receptor (SXR);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY21799 standard: Frotein; 434
                                                                                                                                                                                                                                     (treated with Vitamin K), or to slow metabolism of therapeutic steroids
                                                                                                                                                                                                                                                                                                                                           circulation. (Ant)agonists of SXR are used to regulate metabolism of
                                                                                                                                                                                                                                                                                                                                                                                                     regulates expression of catabolic enzymes,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a novel nuclear receptor polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         their toxicity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SALK ) SALK INST BIOLOGICAL STUDIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-SEP-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Fig 1A; 83pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X wholle who
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /label unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                steroid and xemobiotic receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ζ
                                                                                                                                                                                                                                                                                                                                                                                                     in response to many different
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antagonist. The present

sequence represents SXR polypeptide

25-711-11-71-

Similarity

. 91. 28; 38. 78;

Score 2049: DR 20: Prest No. 3:1c 195: 2: Mismatches 16:

Slabat Longth 434

207

Conservative

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PESSELL LZ
AAHHA41 LZ
AAHHA44 LZ
LD AAHHA44
AX AAHHA44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Among and sequence of a steroid activated nuclear receptor.
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useful for freating a wide variety of conditions such as Cushina's syndrome, virulism and hirsulism, androque excess the to polycystic ovarian syndrome and enzymate detects which leads to accumulation of steroids, resulting in hypertension and aberrant development of secondary secural characteristics in both score, from some contains which express tumon sxis serve as models for bundar response to various agents which potentially impact P450 dependent metabolic processes.
                                                                                                                                                                                                                                               binds to a direct or inverted repeat response element motif based on
the half site AGTEGA. SXR is useful for identifying compounds which are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel steroid activated muclean receptor useful as sensor for xemobratic compounds and/or steroids and whose modulators are useful for modulating metabolism of steroid or xemobratic compounds
                                                                                                                                                                                                                  agonists or which activate the receptor. The compounds identified are
                                                                                                                                                                                                                                                                                                             steroid hormones and prominently expressed in liver and intestine. SXR
                                                                                                                                                                                                                                                                                                                                       inducible 1450 genes in response to a variety of natural and synthetic
                                                                                                                                                                                                                                                                                                                                                                                                     capable of forming a heterodimer with retinoid X receptor (RXR).
                                                                                                                                                                                                                                                                                                                                                                                                                                  termed steroid and xemobiotic receptor (SXR). The SXR polypeptide is
                                                                                                                                                                                                                                                                                                                                                                                                                                                               the present sequence is a human steroid activated nuclear receptor
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His6-pregnane X receptor (PXR) sequence.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; nuclear receptor: pregnane X receptor; PXR; CYP; CYP3A4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tanged partial PXR (His6-PXR) sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Antibodies raised against hPXR can be used for determination and purification of hPXR. The present sequence represents a histiding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention provides an isolated human nuclear receptor (designated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 6; Page 37; 69pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New human pregnane X receptor, used to identify specific modulators and agents that induce expression of cytochrome P-450 mono-oxygenase -
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Matches 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                       requiating the transcription of associated gene(s). It shows 7.8 identity in the DNA binding domain, and 42% identity in the livand binding domain, to the human vitandin D receptor. Recombinant X.88.6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Xenopus orphan receptor 6 (XOR-6) (AAK98%21) is a new member of the steroid receptor superfamily, characterised as being responsive to the presence of hydroxy, mercapto or amino benzoate(s) and as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        W09622390-A1
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hydroxymenzoate: mercaptobenzoate: aminobenzoate.
                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                        or therapeutic applu.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino benzoate(s) - useful to regulate dene transcription
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                                                                                                                                                                                                                                                                                                                                                                                                      regulate gene transcription or to raise antibodies of diagnostic
                                                                                                                                                                                                                                                                                                                                                                                                                          XOR-6 has been isolated.
                                                                                                                                                                                                                                                                                                                                                                                                                                            can be expressed in animal cells; a cDNA clone (AA136499) coding to
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                                                                                                                                                                                                                                    18 EDTESVEGKESVNADEEVGGEDOTCRVCGDKATGYHENVMTCEGCKGFEKKAMKRNABLRC 77
                                                              ppga-sltpegghtltglvgahtkttdtnfftsknfr-
                                                                                                                                                                  PERKGAGE FERKTRROOOAGRERKGLESGMKREMIMSUEAVEERKALIKKK-KSERIGTO | 1 46
                               AKWSQVRKDLCSLKVSLQLRGEDGSVWNYKPPADSCGKETFSLLPHMADMSTYMFKOTIS 256
                                                                                              PLGVQGLTEEQRMMIRELMDAQMKIEDTTESHEKNERLIMGVLSSGCELFESLQAFSKEFA 196
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37..102
                                                                                                                                                                                                                                                                     41.6%; Score 910.5; DB-17; Length 96;
46.2%; Pred. No. 5.1e-82;
ative 55; Mismatches 100; Indels 69;
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-rssdpt - - -qepqats - -seaflmlphisdlytymikqris
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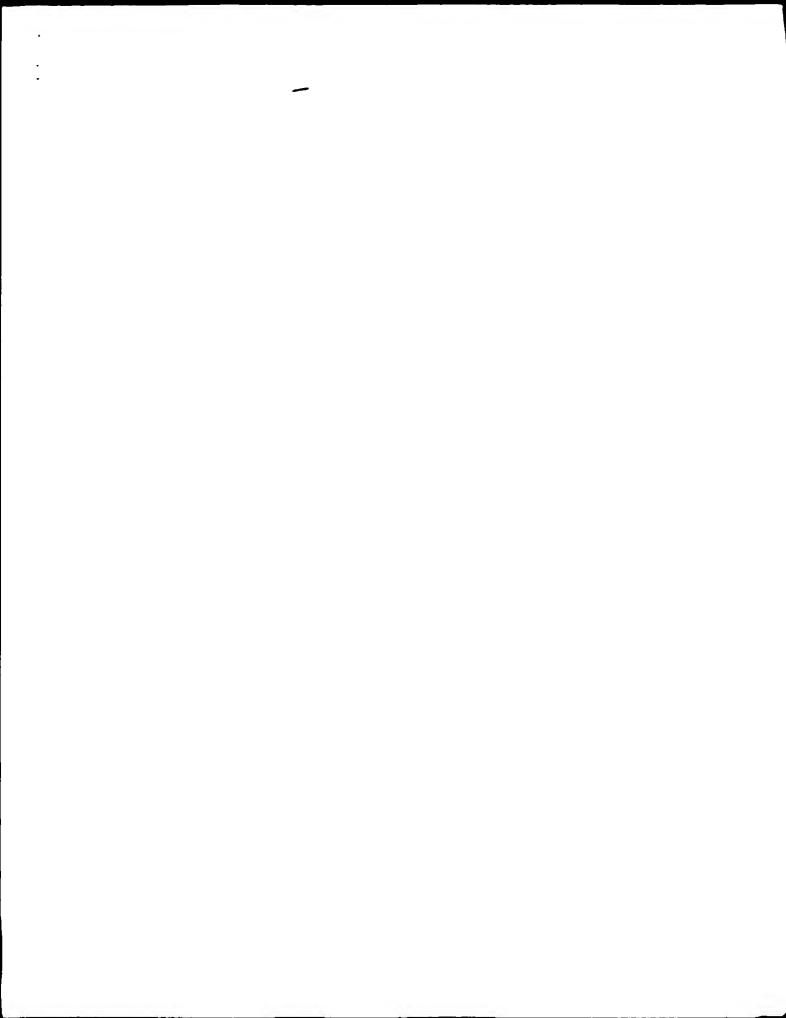
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Best loosed similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   denotor situmin b receptor isotorm protein which blocks vitamin b seemal pathway—and production of recombinant isotorm protein using it, for home density assay and for screening compounds for vitamin D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vitamile bereighter: VDK, bone density: retinole acid derivatives steroid: bone cateron regulator, immunosuppressant; anticancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and for the screening of compounds (e.g. steroids and refinaic acid derivatives) for vitamin E activity (e.g. as bone calcium regulators,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present inzention describes rat vitamin D receptor (VDR) isotorm protein VDRC. The present sequence represents rat VDRC, VDRI differs
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val Similarity 40.0%; Pred. No. Coe 67;
164; Conservative 76; Mismatches 128;
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Search completed: March 2, 2002, 02:00:05 flob time: 2905 sec



Title: Perfect score: Sequence: Minimum DB seq length: 0
Maximum DB seq length: 2000000000 Database : Total number of hits satisfying chosen parameters: Scoring table: OM protein Post-processing: Minimum Match 0% Run on: protein search, using sw model F:89781d US-U5-276-535H 14 Maximum Match 100% ListIng first 45 summaries $\mathtt{BL}\alpha\mathtt{SOM62}$ $\mathtt{Gapop}(10.0)$, $\mathtt{Gapext}(0.5)$ 219241 seqs. 76174552 residues 1 LEVKEKESWNHADEVHCEDI... Copyright (c) 1993 - 2000 Compagen Ltd pira. 2, 2002, 01:53:20; Search time 33.2 Seconds
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALTGNMENTS

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		Oy 376 YIECUR-POPAHRELELKIMAMLTEE
	ROLFLEPLYR HRMMRKLMLQSEEYAMMAALSIFASUKPGVCDWEXIQXLQEHIALTLKD - 27	Db 268 RQLELEPLYRTHRMMRKLNLQSEEYAMM
	©AISLESEBREGVLOHRVVLOLQEGEATILKS 375	QY 316 QQLLLEPMLKEHYMLKKLQLHEEEEYVLM
	FAKMLPYFKSLDTEDQTALLKGSVAEVSVIRENTVFNSUTNTWECGPPTYDTEDMFLAGF 267	Db 208 FAKMLPYFKSLDIEDQIALLKGSVAEVS
	FAKVISYERDLE1EDQISLLKGAAFELCQLRENTVFNAETGTWECGRLSYCLEDT-AGGE 315	Qy 257 FAKVISYFRDLPIEDQISLLKGAAFELC
	QEPOATSSEAFIMIPHISDLVIYMIKGIIS 207	Db 172
	197 AKWSQVRKDIJSLKVSLQLEGEDJSVWNYKPPADSGGKETESIJPHMADMSTYMFKJITS 256	Qy 197 AKWSQVRKDLCSLKVSLQLRGEDGSVWN
	NETESKNEK	Db 133 PPGA-SLIPEOGHELTOLVGAHIKIFDENETESKNER
	PLGVQGLTEBQRMMIREIMDAQMKTFDTTFSHFKNFKLFGVLSSGGELFESLQAFSREEA 196	OY 137 PLGVOGLITEEURMMIRELMDAOMKTEDT
	PE-QNSCVINKSNRRHCQACREKKCLDIGMRKELIMSDAAVEQKRALIKRKHKLIKEPPT 132	Db 74 PF-QNSCVINKSNRRHCQACREKKCLDI
	PERKGACETIKKI KROCQACRIJKKOI ESGMKKEMIMSDEAVEERRALIKKK-KSERIGTO 146	Qy 78 PERKGACETTRKTRROCOACRIRKCTES
	EEEEDASNSCGIGETEDDSDPKICKACGDRATGYHFNAMICESCKGFFKRAVKKNI.KI.SC 73	5b 14 EEEEDASNSCGIGEDEDDGDPKICKACG
	EDTESVPGKPSVNADEEVGGPQ1CRVCGDKATGYHFNVMTCEGCKGFFRKAMKRNAKLKC 77	QY 18 EDTESVPGKPSVNADEEVGGPQTCRVCG
10;	Score 922.5; DH 2; Length 386; Pred. No. 6.4e-65; 54; Mismatches 99; Indels 69; Gaps 10;	Query Match 42.2%; Score Hest Local Similarity 46.6%; Pred Matches 194; Conservative 54; M

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Addienant vide a
                                                                                                                                                     Miordon, Riophys. Res. Commun. 276, 46-45, 2000
A:Dille: Ideal Nierh for of cDNAs encoding two subtypes of
A:Belevines number: JC/229
A:Accession: JC/229
A:Molecule type: mRNA
A:Besidnes: 1-420 - 802.
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Vitamon beneeptor subtype a Princhichthys officierus
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Cisperies, purit tebrus ofizierus
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Actific. Molecular cloning and functional characterization of a movel nuclear Aspertence number: JC7510; Mulli-20484704
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C:Keywords: DNA binding
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                                        Cart the grade
                                                                                                                            Apriloda reterranges: DbBJ:ABUR7674
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                                                                    resument: This receptor is an important factor in calcium homeostasis and bone conmatic
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C:Species: Coturnix coturnix japonica (Japanese quart)
C:Bate: 1 CSep-1996 #sequence revision 1 CSep-1996 #text_change 20-Sep-1999
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Hest Local Similarity 41.0%; Fred. No. 5.6e-53;
Matches 170; Conservative 66; Mismatches 171;
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464 (N - BPGGKILLYAKMIQKLADLESINEEHSKQYRSI SEQPEHSMQLEPLVLEVIG 416
                                                 379 CNRPOPARRELELKIMAMLIEF - -
                                                                                                  304 TEELAKEÖAGTKKTINTHEEEHALTWETGTTSLOBBOARARAEOTOPKI SEVITATIK
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                                                                                                                            198 2; Length 420
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                                                 ATPLMQELEG 410
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krElarouss), M.A.; Prahl, J.M.; beluca, H.F.
Proc. Natl. Acad. Sci. U.S.A. 91, 11596-11600, 1994
Arthite: The avian vitamin D receptors: primary structures and their origins
ArReterence number, 150451; MNID:95062415
Arrecession: 150451
C:Keywords: zinc finaer \rm E:Keywords: zinc finaer \rm E:Keywords: zinc finaer
                                                                                      A:Molecule type: mRNA
A:Residaes: 1 448 - ELA
A;Cross-related: EMBC:UL2641; NID:q595500; ETDN:AAA56725.1: PID:q595801
A;Cross-related: EMBC:UL2641; NID:q595500; ETDN:AAA56725.1: PID:q595801
C:SUpertamily: unassianed erbA related profeins: erbA fransforming profein homofody
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135 ALKESLKEK ISEEGOKVINICHEABEKEEGIIVSCENKEKEEVKSSKIALESSSVV 155
                                                        133 TOTOPIOYOTTEEDRMMCRELMDAQMKTEETTESHEKNERLI-
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                                                                                                                                                                                                                                   16 CESCELOSSIMETPAVOTPEFORNVERTOGVOGDRATCHENAMICEGORGEFRESMERK 75
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                                                                                                                   AMERCIEF SCHOOK LIKHINKREHUNACKEKKO VIJ ECHMMKEE II. ITBEHVORKREM LIKRKEEE II. 3
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A:Residues: 'R',58-423 <BU25 C:Supertamily: unassiqued erbA related profeins; erbA transforming profein homology C:Keywords: DNA binding: transcription regulation: zinc finger E:22-337/tomain: erbA transforming protein homology <ERBA> E:24-44/Region: zinc finger
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Proc. Natl. Acad. Sci. U.S.A. 85, 1005-1009, 1988
A:Title: Isolation and expression of rat 1.25-dihydroxyvitamin A:Reference number: A31867; MOID:88124963
A:Accession: A41367
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A:Accession: A31761
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C:Date: 07-Jun-1990 #sequence_revision 07-Jun-1990 #text_change
C:Accession: A3176; A31367
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A; Residues: 'R', 58-423 <BU25
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Best Local Similarity
Matches 164; Conserv
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LTSDDQIVLLKSSA1EVIMLRSNQSFIMDBMSWDCGSQLYKYDVTDVSKAGHTLELIEPL
                                            LPIEDQISLIKGAAFELOQLKENTVENAKTOTWECGRLSYCLEDT---AGGEQQLILEPM
                                                                                                                                                                                                       HHKTYDPTYADERDERPPVRMDGSTGSYSER----PTLSESGNSSSSSSDLYTTSLDMME
                                                                                                                                                                                                                                                          QMKTFDTTESHFKNFRLPGVL--SSGCEEPESLQAPSREEAAKWSQVRKULCSLKV----
                                                                                                                                                                                                                                                                                                                                                            KIRKCLESOMKKEMIMSTHAVEERKALIKKKKSERTGTQPLGVQGLTEEQRMMIRELMDA 157
                                                                                                                                                                                                                                                                                                                                                                                                                    FRICGVCGDRAIGEHENAMICEGCKGEERRSMKRKALFICEE-NGUCRIIKUNRRHCQAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    POICKVCGDKATGYHFNVMTCEGCKGEFRRAMKKNARLRCPERKGACEITHKTRRQCQAC 97
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40.08;
                                                                                                     -DESVILDLSPLSMLPHIADLYSYSIQKVIGEAKMIPGERD
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Pred. No. 2.9e-52;
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vitamin D receptor - mouse (fragment)
C:Species: Mus musculus (house mouse)
C:Date: 26-Jun-1995 *sequence_revision 14-Jul-1995 *text_change 20-Sep-1999
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E:24-89/Domain: DNA binding *status predicted <BIN>
E:191-422/Region: vitamin D binding *status predicted
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C;Supertamily: unassigned erbA-related proteins; erbA transforming protein homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Reterence number: PC4019; MUID:95137405
A;Accession: PC4019
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                                                                                                                                                                                             243 TPGFRULTSDDQTVLLKSSATEVIMLRSNQSFTMDDMSWDGGSQDYKYDTTDVSRAGHTL
                                                                                                                                                                                                                                          261 ISYFRDLPIEDQISILKGAAFELCQLRENTVENAEIGTWECGRLSYCLEDI---AGGEOO
363 RORHPPPGSHULYAKMIQKLADLRSLNEEHSKQYRSLSFQPENSMKLIPLVLEVEG
                                              378 ECNKPOPAHRFLELKIMAMLTEF----
                                                                                             303 ELTEPLIKFQVGLKKENLHEEEHVLLMAICIVSPDRPGVQDAKLVEATQDRLSNILJIYI
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                                                                                                                                         LLLEPMLKFHYMLKKLQLHEFEYVLMQAISLFSPDRPGVLQHRVVDQLQEQFAITLKSYI
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1995
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39.9%;
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C:Species: Homo sapiens (mdn)
C:Date: 19-May-1989 #sequence_revision 19 May-1989 #text_change 20-Sep-1999
C:Accession: A28200: 155353

Proc. Natl. Acad. Sen. U.S.A. 85, 3294-3298, 1988 A;Title: Cloning and expression of full-length cDNA encoding

A.R.; McDonnell, D.P.; Hughes, M.; Crisp, T.M.; Mangelsdorf, D.J., tl. Acad. Sci. U.S.A. 85, 3294-3298, 1988

human vitamin D receptor

Haussler,

R; Baker,

vitamin D receptor -

theman.

A28200

A; Reference number: A28200; MUID:88217887

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E:22 341/Domitic. erbA transforming protein homology ←ERBA
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Aspecterone stall74
Aspecterone type: mRMA
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R:Golo, H.; Chou, K., Prahl, J.M.; Deluca,
Riochim, Brophys. Acta 1142, 103-108, 1992
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Acmap bost four 12:02 12:014
C.Supertamily: unassigned orbA related proteins; cubA transforming protein homology
C.Supertamily: unassigned orbA related protein size tinger
C.S.Supertamily: unassigned orbA related protein bomology -ERBA.
C.S. 44 (1986)1-11 orbA transcription regulation; zinc tinger
C.S. 44 (1986)1-11 orbA transcription protein bomology -ERBA.
C.S. 44 (1986)1-11 orbA transcription protein bomology -ERBA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REYO, X.P.: Morbarla, H.: Hostmyer, F.G.: Musoladas, S.C.
L. Riol. Them. 166, 7888-7895, 1991
A:Tiller Victorium D. receptor expression in human lymphocytes. Signal requirements and cha-
A:Reference number: 155-654; MUTD:91210272
A:Access:Tool: 155-654; MUTD:91210272
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A.Mollerdie type ...mRNA
A.Rosidous: 1 427 - KAK.
A.Cross reterences, GR.BO4Z58, NID:q440Z9Z; PIDN:AAA61Z74.1: PID:q440Z04
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§72 PPPGSHLIYAKMIQKLADLRSINEEHSKQYROLSEQPECSMKLIPLVLEVEG
                                                                                                                                                                                                                                 882 POPARRELELKIMAMIJEEF . .
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A:Gene: who be C:Superfamily: unassiqued ethA related proterns; ērbA transforming protein homology C:Superfamily: unassiqued ethA related proterns; ērbA transforming protein homology C:Keywords: boue; ealeium transport; bNA binding; intestine; vitamin b A: Modernte type: mkNA A: Residues: 1 425 - SUZ Kiochem, Biophys. Res. Common. 270, 40.45, 2000. A; Fittle: Identification of cDNAs encoding two subtypes of vitomin B receptor in flour vitamin D receptor subtype b - Paraliehthys olivaceus C:Species: Paralichthys olivaceus Cometics erforment: This receptor is an important factor in calcium homeostasis and bone forma A: Experimental source; intestine A; Cross references: DDBJ:ABC37674 A: Accession: Je72 su A; keterenee minber: 307229 Risdonkii, T., Surukii, N., Srivastava, A.S., Kurokawa, C:Accession: JC7230 C:Date: 09 Jun-2000 #sequence_revision of Jun 2000 #text Matches 171; Query Match Best Local Similarity 22 SVINKPSVNADE - EVGGPQ FURVOGDKA FGYHENVM FURGOKGFFRKAMKINARLROPER - 80 4 FVVSTSSCASCEEDRNMERTEGOVERDKATERHENAMITEGERGEEKKSMKKKATETERE 62 Conservative 74: Mismatches 14: \$4, 2%; \$9, 8%; Score 748.5; DB 2; Pred. No. 3.3e 51; Indels 54: Gaps brugth 425; change 18 12:

124 ARRE----REIDEQSQVIAMEVEAHHKTYDDSYSDFCRFRDPVREGPVIKSASRAASLHS 178

134 GLOPIGYOTH ERCKMMIRELMDAQMKTEDTIESHEKNERLE-

GVLSSGCELPESLOA TYC

64 NGSCHITKINKRICGACKLKROVDIGMMREFILIDEEVQKKKDLIQKKKBEEAQKEAERE 122

81 KJACELIRKIERQCQACRERKCLESGMKKEMIMSDEAVEERKALIKRKK

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A:Recession: A56197
A:Status: prefiminary
A:Molecule type: mRNA
A:Residues: 1-348 <BAF5
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CJSpecies: Homo saplens (man)
CJDate: 28 Apr-1995 *sequence_revision 28-Apr-1995 *text_change 20-Sep-1999
CJACCESSion: A55197
KJBACES, M.; Gulick, T.; Choi, H.S.; Martinoli, M.G.; Simha, D.; Moore, D.D. Wol. Cell. Hiol. 14, 1544-1552, 1994
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319 LESINEAYGYQIQHIQGLSAMMPLLQEI 346
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                                                                                                                                                                YVLMQAISLESEDREGVLQHRVVDQLQEGEAITLXSYIFCNREQPAHRELELXIMAMLTE
                                                                                                                                                                                                                         VETCHTVLNFTFCLQTQNFLCGPLRYTTEDGARVGFQVKFLELLFHFHGTLRKLQLQEPE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PSREEAAKWSQVRKDL/CSLKVS----LQLRGEDGSVWNYKPPADSGGKEIESLLPHMADM 246
                                                                                                                                                                                                                                                                             TELOQUATONI VTONABISITATIOGENIS YOLIDIDAG - GTOOLLILEPALKTHYMIKKIJOIHEEE
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                                                                                                            YVLLAAMALESPORPGVTQRDEIDQLQEEMALTLQSYIKGQQRRPRORFLYAKLLGLLAE 318
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33.4%; Score 731; DB 2;
40.5%; Pred. No. 6.1e-50;
                                                                                                                                                                                                                                                                                                                                   -VIPLVIHEADINIFMVLQVIKETKDLPVERSLPIEDQISLLKGAA 198
                                                         ---PIMOEL 408
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels 72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   153
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C:Superfamily: unassiqued orbA-related proteins; orbA transforming C:Keywords: steroid hormone receptor E:85-381/Domain: crbA transforming protein homology *FRBA-F:87-154/Domain: DNA binding #status predicted <BIN>
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A;Title: N.ER, a 200 member of the gene tamily encoding the human storoid hormone A;Reference number: JC4014: MUID:95011628
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C;Species: Homo sapiens (man)
C;Date: 13-Jun-1995 #sequence_revision 14-Jul-1995 #text_change 24-Sep-1999
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A; Residues: 1-461 <SHIP
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Hest Local Similarity 28.3%; Pred. No. 1.9e 29;
Matches 122; Conservative 80; Mismatches 119;
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                                                 402 -TPLMQELEGI 411
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            143 OCKLEKCKEAGMREOCVLSEEOIRKKK--IRKOOOOESOSOSOSPYGPOGSSSSASGPGA 200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           83 GHELCKYCGDKASGFHYNVLSCEGCKGFFRRSVVRGGARRYACRGGTCQMDAFMKRKCJ 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         37 GPOICRVCGDKATGYHENVMTGEGCKGFFRKAMKRNAKLRGPFR-KGAGEITRKTRRGCO 95
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                                                                                                     PGRVEALQQPYVEALLSYTRIKEPQDQLRFPRMLMKLVSLRTLSSVHSEQVFALELQDKK 448
                                                                                                                                                         HRVVDQLQEQFAITLKSYIECNRPQPAHRF- LFLKIMAMLI -
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                                                                                                                                                                                                                                                               --GRESYCLED-TAGGEQQUALEEPMIKEHYMIKKIQIHEEEYVIMQATSIESPDREGVIQ 358
                                                                                                                                                                                                                                                                                                                                                                          ADMSTYMEKGIISFAKVISYERDLPIEDQISLLKGAAFELGQLRENTVENAETGTWEG-+ 301
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retinoid X receptor interacting protein No.15 - monse C;Species: Mus musculus (house monse) C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #t

02-Jul-1996 #text_change 24-Sep-1999

C: Accession: 149021

149021

Riseof, W.; Choi, H.S.; Moore, D.D. Mol. Endocrinol. 9, 72-85, 1994 Aprilie: Isolation of proteins that interact specifically with the retinoid X recepto A; Reterence number: A57664; MUID:95280959

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A: fille. A movel orphan receptor specific for a subset of thyroid hormone-responsive eld A: forter-new number: A58044. MOID:95021240

A: More section: A58044

A: Relating pre-liminary
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F:75 (66/Damain: orbA transforming protein homology (EKBA)
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 Obery Match 21.1%; Secre 461; DK 2; Best Local Similarity 28.1%; Pred. No. 1 8-28; Matches 119; Conservative 78; Mismatches 12%;

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moie 4	994 dulates gene activation by reth	Proc. Natl. Acad. Set. U.S.A. 91. 10809 10813, 1994 A: Diffe: Ubiguitous receptor a receptor that modulates gene activation by retinoic A: Betrache number: 159264, MULD: 55662154
	PN:AAA69522.1: FTD:q665942	A.Cross references: EMBC.020489: NID.4665941; PIDN.AAA69522.1: PID:4665942 A.Experimental source: Spragoebaley, bejette R.Song, C., Kokontis, J.M.: Hilbakka, R.A.: Lido, S.
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	96 #rext_change 24*Sep-1999	C:Species: Rattus movediens (Norway ed) C.Ante: 02-Jul-1996 #sequence revision 02-Jul-1996 #text_change 24-Sep-1999 C.Accession: 189843: 189264
		RESULT 14 155.654 orphan nuclear receptor (8-1 - rat
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	MICEGOKGIFRKAMKRNAKLRO 77	QV 18 EDTESALGKESANADERAGGEÖLAKATORIENANDERGEGERAWKKNARTKO

	OY 249 YMFKGIISFAKVISYERDLPIRDQISILKOAAFELCOLKENTVENAEIGTWEGGRISY 306 1 :	
	UY 189 QAPSKEEAAKWSQVRKDDISLKVSLQLRGEDGSVWNYKPPADSGGKEIFSLLPHMADMST 248	
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11;	Query Match 20.9%; Score 456.5; DB 2; Length 447; Bust Local Similarity 28.4%; Pred. No. 3e-28; Matches 121; Conservative 76; Mismatches 142; Indels 87; G	
7 hour output	7	
homology	A:Status: proliminary A:Molecule type: mRNA	
pathway.	Genes Dev. 9, 1033-1045, 1995 Genes Dev. 9, 1033-1045, 1995 A:Reference number: 138975; MUID:95262897 A:Accession: 138975	
ort, D.J.	.;Date: 10-reb-1995 C:Accession: [38975 R:Willy, P.J.; Umesono, K.; Unq. E.S.; Evans, R.M.; Heyman, R.A.; Manaelsdor	
5.0		
	Db 441 TWDV 444	
	QY 408 LFGI 411	
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	QY 366 QEQFATTLKSYTECHRPQFAHRF - LETKIMAMITEFAIPIMQE 407	
	Qy 307 CLED-TAGGEGGILLEDMEKEHYMEKKEGI.HERBYVI.MQAESI.FSPDRPGVI.QHRVVDQL 365 	
	264 VOETVDFAKOVPGFLOLGKEDOTALLKASTTETMILETARKYNHETECITELKDETV	
	QY 251 FKGIISFAKVISYFRDI.PIEDQISLI.KGAAFELCOLRENTVENAETGTWEC ···GRI.SY 306	
	QY 191 PSREEAAKWSQVRKDLCSIKVSLQLRGEDGSVWNVKPPADSGGKEIFSLLIPHMADMSTYM 250 Db 230 -DQPKVTPWPLGADPQSRDARQORFAHFTELAIIS 263	
	OY 139 GVOGITERQRMMIRELMDAQMKTFDTTESHEKNERLPGVLSSGCELPESLQA 190 Db 194 SUGSGEGEGIO-ETAAQELMIQQLVAAQLQCNKRSES	
	QV 96 ACKLRKCLESGMKKEMIMSDEAVEERRALIKRKKSERTGTOPL	

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440 SEIWDV 445	406 OELHGI 41i	382 OHTYVEALHAYVSIHHPHDRIMEPRMIMKLVSIRTISSVHSEQVFALRIQDKKIPPIL 439	366 QEQFALTLKSYTECHNPQPAHRFLFLKIMAMLTEFAL	322 NEDFAKAGLQVEFINPIFEFSKAMNELQLNDAFFALLTAISTFSADKPNVQDQLQVEKL 881	307 CLEDTA-GGEQUILLEPMLKEHYMLKKLQLHEEKYVLMQAISLESPDRPGVLOHKVVDOL 465
		-		_	

Search completed: March 2, 2002, 02:39:42 dob time: 2782 sec

Genfore version 4.5 Copyright (c) 1993 - 2000 Compagen Ltd.

OM protein - protein search, using sw model

Run on: March 2, 2002, 02:37:30 ; Search time 23:95 seconds

(without alignments)
633.789 Million cell updates/sec

Sequence: Title: Perfect score: US-09-276-9350-14 2187 1 LEVRPKESWNHADFVRCEDT

.AMLTEFATPLMQELFGITGS 414

Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5

100059 seqs, 36664827 residues

Searched:

Total number of hits satisfying chosen parameters: 100059

Minimum DB seq length: 0 Maximum DB seq length: 2000003000

Post-processing: Minimum Match 0% Maximum Match 100% Visiting Tyrst 45 summaries

Database : wissProt_39;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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19.1	19.1	19.1	19.2	19.3	19.3	19.4	19,4	19.4	19.5	19.5	19.6	19.7	19.8	20.9	21.1	21.1	21.2	21.5	21.6	31.1	31.3	33.4	34.3	34. 3	34.5	34.8	35.1	35.1	35.4	75.7	76.6	99.0	Match t	Query
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EMBL: AP061056; AAD05436.1; EMBL: AF084645; AAC64558.1; MIM: 603065; InterPro: IPR000536; Hormone_rec_liq.	ntry is copyright. It is a Institute of Bioinforma so institute. The institutions as long statement is not removed a license agreement (Secto licensegisb-sib.ch).	-!- SUBCELLUIAR LOCATION: NUCLEAR (BY SIMILARITY)!- TISSUE SPECIFICITY: EXPRESSED IN LIVER, COLON, AND SMALL INTESTINE -!- INDICTION: ACLIVATED BY NATURALLY OCCURRING SIEROIDS SUCH AS PREGNENOLONE AND PROGESTERONE!- SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTORS FAMILY. NRI SUBFAMILY.	"Identification of a human nuclear receptor devines a new signaling pathway for CYPRA induction."; Proc. Natl. Acad. Srl. U.S.A. 95:12208-12218(1998); -i- FUNCTION: ORBHAN RECEPTOR: ITS NATURAL INCANUALS PROBABLY PRESINANCE, BLUDS TO A RESPONSE ELEMENT IN THE CYPRAM GENE PROMOTER.	SEQUENCE FROM N.A. **REQUENCE FROM N.A. **RESULTIVE*: **MEDLINE-98445350; PubMed-9770465; **Bertilsson G., Heidrich J., Svensson K., Asman M., Jendeberg L., **Sydow-Backman M., Ohlsson R., Postlind B., Blomquist P., **Berkenstan M.; Ohlsson R., Postlind B., Blomquist P.,	SEQUENCE FROM N.A. SEQUENCE FROM N.A. TISSUE-Liver; TISSUE-Liver; TREDITINE-98395173; PubMed-9727070; Inchmann J.M., McKee D.D., Watson M.A., Willson T.M., Moore J.I., Kliewer S.A.; The human orphan nuclear receptor PXR is activated by compounds that regulates CYP3A4 gene expression and cause drug interactions."; J., Clin. Invest. 102:1016-1023(1998).	074469; 15-JUL-1999 (Rel. 38, Created) 15-JUL-1999 (Rel. 38, Last sequence update) 15-JUL-1999 (Rel. 40, Last sequence update) 20-AUG-2001 (Rel. 40, Last annotation update) 00RPHAN NUCLEAR RECEPTOR PXR (PREGNAME X RECEPTOR) (URPHAN NUCLEAR RECEPTOR PXR. NR112 OR PXR. Homo sapiens (Human). Eukhryota; Metazoa; Chordatu; Craniata; Vertebrata; Euteleustomi; Mammalla: Eutberia; Primates; Catarrhini; Hominidae; Homo. NCRI_TaxID:9606;	KESULT 1 PXR_HUMAN ID PXR_HUMAN STANDARD: PKT: 434 AA.

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clouinan nuclear dictation PXR (PRESINANE X RECEPTOR).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jones S.A., McKee D.D., ol
Perlmann F., Lehmann J.M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zinc-linder:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Receptor:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PROSITE: PSOUD31; NUCLEAR KECKPTOR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRINTS, PROUBSE, STRDHORMONER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro: IPR001723: Strdhomone_reptor
InterPro: IPR001628: zt-C4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MGD: MG1:1347040; Nrliz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "An orphan nuclear receptor activated by prequanes defines a novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kilewer S.A., Moore J.T., Wade L., Standinger J.L.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDITINE-98149345; PubMod 9489701;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro: IPR000536; Hormone_rec_liq.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CINTH VNC
                     243 MADMSTYMEKGETSEAKVISYERDIPTEDQTSIIIKGAAFEIGQIRENTVENAETGEWEGG
                                                          1x0 ELPEFLOASILEDFAIWSQIMKDKVPMK1SLQLKGEDGSIWNYQDPSKSDGKEITPLLEH
                                                                                              TWE ELLERS LOADSREE AAKWS OVER DIASEKVS LOLD ROED OS VWNYK PRADSGOKE ITS LETE
                                                                                                                                      120
                                                                                                                                                                                                                60 GEFRRAMKRNVRLRGPFRKGFGETTRKTRRQCQACKLKKGLESGMKKEMIMSDAAVEQRK
                                                                                                                                                                                                                                                    63 GEFERRAMKKNAKEROPERKGACELIKKIEROOQACKERKOLESOMKKEMIMSDEAVEERR 122
                                                                                                                                                                                                                                                                                              | MRPHESWSRAGLAGCEFADSALEEP-INVEFEEDSCLOICNACCDKARGHENVMTCERCK-59
                                                                                                                                                                                                                                                                                                                                    A VERKESWINAUFVHCEDTESVECKRSVNAUEFVGGPQ1CRVCGDKATGYHENVMTCEGCK 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FUNCTION: ORPHAN RECEPTOR; LES NATURAL LIGAND IS PROBABLY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ANTIGLICOCORFICOIDS AND 16-ALPHA CARBONITRILE (PCN). SIMILARITY: BELIANGS TO THE NUCLEAR HORMONE RECEITORS FAMILY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ARTERNATIVE PRODUCTS: 2 ISOFORMS; 1/PXK.1 (SHOWN HERE) AND 2/PXR.2; ARE PRODUCTED BY ALTERNATIVE SPLICING. [INDUCTION: ACTIVATED BY NATURALLY OCCURRING STEROIDS SUCH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRECNAME, BINDS TO A RESPONSE ELEMENT IN CYPSA GENES PROMOTER SUBJUNIT: FORMS A HETERODIMER WITH KXR. SUBCELLULAR LOCATION: NUCLEAR (BY SIMILARITY).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRECNENOLONE AND PROGESTERONE, SYNTHETIC GLUCOTORILCOIDS AND
                                                                                                                                                                          ALTKRKKSEKTGTQPLGVQGLTEFQRMMTRELMLAQMKTFDTTFSHFKNFKL16VLSSGC
                                                                                                                                      ALTKRKKREKTEAPPROGGOTTEEGGALTGETMDAGMOTEDTTESHEKDERLPAVEBSGO
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Similarity
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211
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73.3%: Pred. No. 5e 128.
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                                                                                                                                                                                                                                                                                                                                                                          41:
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: F592AF91F689329E CRC64:
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N1VWOO
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AICH. BIOCHEM. HIODHYS. 358:14-22(1999).
-!- FÜNCTION: OKHBAN RECEPTOR; ITS NATURAL LIGAND IS PROF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE-99345883; PubMed-10415105;
Zhang H., LeCulyse E., Liu L., Hu M., Matoney L., Z
"Rat pregname X receptor: molecular cloning, tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-AUG-2001 (Rel. 40, Last sequence update)
20-AUG-2001 (Rel. 40, Last annotation update)
ORPHAN NUCLEAR RECEPTOR PXR (PREGNAME X RECEPTOR)
                                                                                                                                                           Priam: PF00104: hormone_rec: 1.
Priam: PF00105: zi:c4: 1.
PRINIS: PR000047: STROIDEINGER.
PRINIS: PR000350; VITAMINUR.
PRINIS: PR00398: SIRDHOHMONER.
                                                                                                                                                                                                                                                                                                                                      use by non-profit institutions as long as its content modified and this statement is not removed. Usage by an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; E
M. malia; Eutheria; Rodentia; Sciurognathi; Muridae;
                                                                                                                             SMART: SM00339; EnF_C4; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN SPRAGUE-DAWLEY
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SEQUENCE
                                                                                     Zinc-finger
                                                                                                   Receptor;
                                                                                                                                                                                                                                                                                                           or send an email to license isb-sib.ch)
                                                                                                                                                                                                                                                                                                                      entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                    the European Bioinformatics Institute. There are no restrictions on
                                                                                                                                                                                                                                                                                                                                                                                 between the Swiss Institute of Bioinformatics and the
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                                            ZN_FING
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                                                                          CINTR_ANG
                                                                                                                  PROSITE: PS00031; NUCLEAR_RECEPTOR; 1
                                                                                                                                                                                                                                    InterPro: IPR001723; Strdhormone_reptor
InterPro: IPR001628; zf-C4.
                                                                                                                                                                                                                                                                InterPro: IPR000536; Hormone_rec_lig
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                                                                                                                                                                                                                                                                                                                                                                                                                                          SUBGUNIT: FORMS A HEIERWODIMER WITH RXR (BY SIMILARITY).
SUBCELLULAR LOCATION: NUCLEAR (BY SIMILARITY).
SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTORS FAMILY
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               104
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                                                                                                   regulation; DNA-binding; Nuclear protein
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                                         NUCLEAR RECEPTOR-TYPE C4-TYPE.
              LIGAND-BINDING
                            HINGE
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4B545F21F9439697 CRC64;
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ue distribution,
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-DEC-1998 (Rol. 37, Created)
15-DEC-1998 (Rol. 37, Last sequence update)
15-DL-1999 (Rol. 38, Last annotation update)
VITAMIN D3 RECEPTOR (VDR) (1,25-DIHYDROXYVITAMIN D3 RECEPTOR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VDR_XENLA
013124;
                         -1- DOMAIN: COMPUSED OF THREE DOMAINS: A MODULATING N-TERMINAL A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID BINDING DOMAIN.
-1- SIMILARIFY: BELONGS TO THE NUCLEAR HORMONE RETEPTORS FAMILY
                                                                                                                                                                                                                                                                               MEDLINE-97407679; PubMed-9165021;
                                                                                              -!- DEVELOPMENTAL STAGE: FIRST DETECTED AT STAGE 14.
GRADUALLY AND PEAKS AT STAGE 57 61 THEN DECREASES
                                                                                                                                                                                                            Endocrinology 138:2347-2353(1997)
                                                                                                                                                                                                                                                               Li Y.C.,
                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID-8355
                                                                                                                                                                                                                                                                                                                                                                  Xenopodinae; Xenopus
                                                                                                                                                                                                                                                                                                                                                                                   Amphibia: Batrachia: Amua; Mesobatrachia: Pipoidea: Pipidae.
                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebiata; Enteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                   Xenopus laevis (Atrīcan clawed trou)
                                                                                                                                                                                                                                                                                                                                                                                                                                       VDR OR NR111.
                                                                                                                                                                                               · ! · FUNCTION: VOR MEDIATES THE ACTION OF VITAMIN
                                                                                                                                                                                                                              laevis."
                                                                                                                                                                                                                                                "Cloning and characterization of the vitamin b receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15 - DEC - 1998
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                                                                                                                              LEVEL IN SMALL INTESTINE AND SKIN.
                                                                                                                                              TISSUE SPECIFICITY:
                                                                                                                                                               SUBCELLULAR LOCATION: NUCLEAR
              NK1 SUBFAMILY
                                                                               SEEN IN ADULT
                                                                                                                                                                             THE EXPRESSION OF HORMONE SENSITIVE GENES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Plant PEROTOA: bormore ree: 1;
Plant PEROTOS; ZI e4; 1;
PRINTS, PROTOA7; STROIDFINGER.
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or send an email to licenseeisb-sib.ch).
                                                Coturnix Columnix Japonica (Japanese quall)
                    Eukaryota: Metazoa; Chordata: Chaniata: Vertebrata: Euteleostomi
                                                                                                                   (0) FEB 1796 (Ref. 3), Last sequence update)
(0) MAY 2050 (Ref. 3), Last annotation update)
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InterProg (PR001628; Zf e4)
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Archosauria; Aves;
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                                                                                                                                                                 OFFER 1996 (164), 33, Created)
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Elaronssi M.A., Prahl J.M., Deluca H.F.;
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SMART: SM00399: ZnF_C4;
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ALTERNACIVE PRODUCTS: TWO FORMS (A AND B) ARE PRODUCTED BY USE OF
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FUNETION: VDR MEDIATES THE ACTION OF VITAMIN DE BY CONTROLLING
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            PRINTS: PR00047; STROIDFINGER PRINTS; PR00350; VITAMINDR. SMARE; SM00430; HOLL: 1.
                                                                                                                                                                 modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE-87149040; PubMed-3029866; McDonnell D.P., Mangelsdort D.J., Pike J.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
STRAIN LEGHORN: ILSSUE:Kidney:
MEDLINE-97-22-3869; PubMed-90-56-290;
Lu Z., Hanson K., Deluca H.F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gallus gallus (Chicken)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VITAMIN D3 RECEPTOR (VDR) (1,25-DIHYDROXYVITAMIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-DEC-1998 (Rel. 37, Created)
15-DEC-1998 (Rel. 37, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
                                                               Pfam; PF00104; hormone_rec; 1. Pfam; PF00105; zf-C4; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        O'Malley B.W.;
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                                                                                                 InterPro; IPR000536; Hormone_rec_lig
InterPro; IPR001628; zf-C4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for vitamin D.";
Science 235:1214-1217(1987)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Molecular cloning of complementary DNA encoding the avian
for vitamin D.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arch.
                                                                                                                                  EMBI.; AE011356: AAB62579.1;
                                                                                                                                                                                                                  the European Bioinformatics Institute. use by non-profit institutions as 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE OF 45-114 FROM N.A.
                                                                                                                                                                                                                                                   This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss institute of Bioinformatics, and the EMBL outstation \cdot
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TISSUE SPECIFICITY: EXPRESSED IN KIDNEY AND INTESTINE.

DOMAIN: COMPOSED OF THREE DOMAINS: A MODULATING N-TERMINAL DOMAIN.

A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN.

SIMILARITY: BELONGS TO THE NUCLEAR HOMMONE RECEPTORS FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                    THE EXPRESSION OF HORMONE SENSITIVE GENES.
SUBCELLULAR LOCATION: NUCLEAR.
ALTERNATIVE PRODUCTS: TWO FORMS (A AND B) ARE PRODUCED
                                                                                                                                                                                                                                                                                                                                                                                                                                                      FUNCTION: VDR MEDIATES THE ACTION OF VITAMIN
                                                                                                                                                                                                                                                                                                     NRI SUBFAMILY
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RESULT VDR RESULT POR RESULT POR RESULT POR RESULT 
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Mammalia: Eutheria; Rodentia;
MCBI_TaxID-10116;
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P13053:
01-JAN-1990 (Rel. 13, Created)
01-JAN-1990 (Rel. 13, Last sequence update)
15-JUC-1999 (Rel. 38, Last annotation update)
VITAMIN D3 RECEPTOR (VDR) (1.25-DIHYDROXYVITAMIN D3 RECEPTOR)
                                                                                                                                                                                                        MEDIINE-89071725; PubMed 2849110;
Burmester J K., Wiese R.J., Maeda
"Structure and regulation of the
SEQUENCE OF 58-423 FROM N.
                                                                                                    Prog. Natl. Acad. Sci. U.S.A. 85:9499-9502(1988)
                                                                                                                                                               receptor
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FUNCTION: VIK MEDIATES THE ACTION OF VITAMIN D4-BY CONTROLLING
THE EXCRESSION OF HORMONE SENSITIVE GENES.
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                                                                                                                                                                                                                                                                                                                                  SMART: SMOU430; HOLL; 1.
SMART: SMOU399; ZnF_C4; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Cloning and sequencing of the gene encoding the mouse vitamin be receptor.":
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Kamei Y., Kawada F., Eukuwatari I., eno T., Kato S., Sugimoto E.:
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01-FEB 1996 (Ref. 33, Last sequence update)
15-JUL 1999 (Ref. 36, Last annotation update)
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-!- LOMAIN: COMPOSED OF THREE DOMAINS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Nucleotide sequence of the boyine vitamin D3 receptor.";
J. Dairy Sci. 79:1313-1315(1996).
-i- FUNCTION: VUR MEDIATES THE ACTION OF VITAMIN D3 BY CO
THE EXPRESSION OF HORMONE SENSITIVE GENES.
-i- SUBCELLULAR LOCATION: NUCLEAR.
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01-NuV-1997 (Rel. 35, Last segmence update)
15-JUL-1999 (Rel. 38, Last amoutation update)
VITAMIN D3 RECEPTOR (VDR) (1,25-DIHYDHOXYVITAMIN D3 RECEPTOR)
                                                                         SMART; SM00430; Boll; 1. SMART; SM00399; ZnF_C4; 1.
                                                                                                                                                                                        HSSP; P03772; LHCQ.
InterPro: IPR000536; Hormone_rec_liq
InterPro: IPR001628; z1:C4.
                                                                                                                                                                                                                                                                                                                     the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota: Metazoa: Chordăta: Craniata: Vertebrata: Euteleostomi:
Mammalia: Eutheria: Cetartiodactyla: Ruminantia: Pecora: Bovoidea
                    Zīnc-tinger;
                                  PROSITE: PS00031; NUCLEAR_RECEPTOR; 1.
Receptor: Transcription regulation; DNA-binding; Nuclear protein;
                                                                                                              PRINTS; PRO0047; STROUDFINGER PRINTS; PRO0350; VITAMINDE.
                                                                                                                                                   Pfam; PF00104; hormone_rec; 1. Pfam; PF00105; zf-c4; 1.
                                                                                                                                                                                                                                                  EMBL; U50200; AABU154 1:
                                                                                                                                                                                                                                                                                   entities requires a license agreement (See http://www.isb-sib.ch/announce/
or send an email to license-isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                   between the Swiss Institute of Bioinformatics and the EMBL outstation
                                                                                                                                                                                                                                                                                                                                                                                                 This SWISS-PROT entry is copyright. It is produced through a collaboration
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Neibergs H.L., Hosworth B.T., Rei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
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A DNA-BINDING DOMAIN AND A C-TERMINAL STEROID-BINDING DOMAIN
SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTORS FAMILY.
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01-0CT-1989 (Rel. 12, Last sequence update)
20-AUG-2001 (Rel. 40, Last annotation update)
VITAMIN D3 RECEPTOR (VDR) (1,25-DIHYDROXYVIIAMIN D3 RECEPTOR).
                                                                                                                                                                                                                                                                     MEDLINE-92879083; PubMed=1324736;
Goto H.. Chen K.S., Prahl J.M., Deluca H.F.;
"A simple receptor identical with that from intestine/1478 cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Baker A.R., McDonnell D.P., Hughes M., Clisp T.M., Mandelson Haussler M.K., Pike J.W., Shine J., o'Malley B.W.; "Cloning and expression of full-length cDNA encoding human receptor.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae
    Rae J.L., Shepard A.R.;
Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases
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Yu X. F., Mochaila H., Hushuyer F.B., Manchagas S.C., "Vitania B receptor expression in human lymphocytes. Signal requirements and characterization by western blots and bNA sequencing.".
                                                                                                                                                               MADLINE SELECTARY Induced 8.92005;
MEDLINE SELECTARY FOLDER A.R., Bewisse M., O'Riordan I.L.H., Bushess Kristlandson K., Bot A.R., Bewisse M., O'Riordan I.L.H., Bushess "two mutations in the bermone binding domain of the vitamin b receptor cause lissue resistance to 1.25 dibydroxyvitamin b.k.";
                basis of steroid hormone receptor DNA-binding domain crystal
                                   "Two mutalisms causing vitamin D resistant rickets: modelling on the
                                                                                                                                                                                                                                                                                                        Malloy P.J., Weisman Y., Feldman D.;
"Norochtory Lalpha,25 dihydroxyvitamin D resistant rickets resulting
from a mutation in the vitamin D receptor deoxyribonucleic
acid binding domaio.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Some i., Marx S.J., Liberman U.A., Pike J.W.:
"A unique point mutation in the baman vitamin b receptor chromosomal
gone conters bereditary resistance to 1,25 dibydroxyvitamin bt.";
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Some f<sub>a</sub>, Marx S.J., Liberman U.A., Pike J.W.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "A unique mutation in the vitamin b receptor gene in three Japanese patients with vitamin b dependent rickets type II: utility of single strand conformation polymorphism analysis for heterozygous carrier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Suljo E., Ito M., Pakeda E., M
Some E., Pike J.W., Kuroda Y.:
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"A new point mutation in the deckyribonucleic acid-binding domain of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDITINE ASTRASSAS EMPAGE BASESOS
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MEDIINE 89072751; PubMed 2849209;
Huddes M.P., Malloy P.J., Kieback D.G., Kesterson R.A., Pike J.W.,
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Miyumoto K., Kesterson R.A. Vamamoto H., Baketam Y., Nishiwaki E.,
Tarsumo S., Inone Y., Morito K., Yakeda E., Pike J.W.;
"___ertoral_orani/atton_or_the human vitamin D receptor chromosomal
                                                       O'Riordan L.L.H
                                                                        But A.R., Hewison M., Kristjansson
                                                                                             MISHLINE 15129267; PubMed 7828346;
                                                                                                               VARIANTS SID 45 AND THE 42
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Emiliar final. 4:624 641(1990)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hum. Cened. 49:668-674(1991)
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                                                                        K., Janes S., Hughes M.E.,
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Whittield G.K., Selznick S.H., Banssler C.A., Hsieh J.et.,
Gallidan M.C., Jurutka P.W., Thompson P.D., Lee S.M., Zerwekh J.E.,
Banssler M.K.;
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"A novel mutation in the deoxyribonucleic acid-binding domain of the
vitamin b receptor causes hereditary 1.25 dihydroxyvitamin b-resistant
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     in response to ligand and impaired interaction with the retinoid receptor heterodimeric partner.":
Mol. Endocrinol. 10:1617-1631(1996)
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[13]
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Hereditary vitamin b resistant rickets caused by a novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Feldman b.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Vitamin D receptors from patients with resistance to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Clin. Endogrinol. Metab. 81:2564-2569(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                THE EXPRESSION OF HORMONE SENSITIVE GENES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAUTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DOMAIN: COMPUSED OF THREE DOMAINS: A MODIFICATION OF TERMINAL DOMAIN A DINA-HINDING DOMAIN AND A C'ERMINAL STEROID BENDING DOMAIN AND A C'ERMINAL STEROID BENDING DOMAIN AND A CREATE THE CAUSE OF TYPE HA RICKETS (ALSO KNOWN AS HYPOCALCEMIC VITAMEN D RESISTANT RICKETS (HVDRY)). HVDRY LS MOST TREQUENTLY AN AUTOSOMAL REESSIVE DESORBER CHARACTERICED BY SEVENCE RICKETS, MYROCALCIMIA AND SECONDARY HYDERICARAFER RECHELSM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUBSTITUTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NK) SUBFAMILY.
CAUTION: IT IS UNCERTAIN WHETHER MET 1 OK MET 4 IS THE INITIATOR.
                                                                                                                                                                   AR002161 BAAH 389 1
AR002162 BAAH 389 1
AR002164 BAAH 389 1
AR002164 BAAH 389 1
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interacts with a subset of rothologacid response elements.":

MOL Cell Biol 14:1544-1552(1994)

FUNCTION: HINDS AND TRANSACTIVATES THE RETINOIC ACID RESPONSE CHEMENTS THAT CONTROL EXPRESSION OF THE RETINOIC ACID RESPONSE BETA 2 AND ALCOHOL DEHYDROGENASE CENES. TRANSACTIVATES BOTH THE PHENNBARBITAL RESPONSIVE ELEMENT MODULE OF THE HUMAN CYPZIG GENE

MEDITINE-94158827; PubMed-8114692; Baes M., Gulick T., Choi H.S., Martinoli M.G., Simba D., Moore D.D.; "A new orphan member of the nuclear hormone receptor superiamily that

TISSUE Liver

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Hest Local Similarity 40.7
Matches 166; Conservative
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DOMAIN
DOMAIN
                                                                                                    014994;
15-JUL-1999 (Rel. 38, Created)
15-JUL-1999 (Rel. 38, Last sequence update)
20-AUG-2001 (Rel. 40, Last annotation update)
0RPHAN NUCLEAR REFEPTOR NRII3 (CONSTITUTIVE ANDROSTANE RECEPTOR) (CAR)
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Receptor: Transcription regulation: DNA-binding: Nuclear protein:
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SEQUENCE FROM N.A
                          NCBI_TaxID-9606;
                                                     Enkaryota; Metazoa; Chordata; Craniata; Vertebrata; Enteleostomi;
                                                                  Homo sapiens (Human)
                                                                                                                                                                             NETS_HUMAN
                                       Mammalia; Eutheria; Primates; Catarthini; Hominidae;
                                                                                            (ORPHAN NUCLEAR RECEPTOR MB67).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21 PRICOVCODRATGEHENAMTCEGCKGEFRRSMKRKALFTCPF - NGDCRITKDNRRHCQAC
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                                                                                                                                                                                                                                                                          PLIKFQVGLKKLNLHEEEHVLLMAICIVSPDRPGVQDAALIEAIQDRLSNTLQTYIRCRH
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                                                                                                                                                                                                                                                                                                                                                                                                                MDSSSESNLDLSEEDSD-----DPSVTLELSQLSMLPHLADLVSYSIQKVIGFAKMIPGF
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Pred. No. 2.8e-53;
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R -> 0 / TW
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G -> D (IN RICKETS)
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NUCLEAR RECEPTOR-TYPE
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F -> I (IN RICKETS)
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-!- DOMAIN: COMPOSED BY A SHORT N-TERMINAL DOMAIN FOLLOWED BY T BINDING, HINGE, AND LIGAND BINDING/DIMERIZATION DOMAINS. -!- SIMILARITY: BELONGS TO THE NUCLEAR HORMONE RECEPTORS FAMILY

NR1 SUBFAMILY

-t- INDUCTION: BY DEXAMETHASONE.

SUBUNIT: HETERODIMER OF NKILS AND EXE.
SUBCELLULAR LOCATION: NUCLEAR (BY SIMILARITY).
TISSUE SEPCIFICITY: PREDOMINANTLY EXPRESSED IN LIVER

AND THE CYPSA4 XENOBIOTIC RESPONSE ELEMENT

entities requires a license agreement (See http://www.isb-sib.ch/announce/

or send an email to licensewisb-sub.ch).

EMBL: 230425; CAA83016.1: -.

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                                                                                                                                                                                                                                                                                        Matches 157;
                                                                                                                                                                                                                                                                                                                                                                    ZN_FING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Plam: PF00104: harmone_rec; 1.
Plam: PF00105; zi-c4; 1.
PRINTS: PF00105; zir-c1pringer.
PRINTS: PR00047: sirrolDF1NGER.
PRINTS: PR00350; VITAMINDR.
PRINTS: PR00356; THYROLDHORMR.
                                                                                                                                                                                                                                                                                                                                                                                          Receptor: Transcription regulation: DNA-binding: Nuclear protein: Zinc-finger: Activator: NUCLEAR RECEPTOR-TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            SMART; SM00430; HOLL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro: IPR000536; Hormone_rec_liq
InterPro: IPR001628; zt-C4.
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                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                 SMART; SM00399; 2nF_C4: 1
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                                                                                                                                124
                         199 VETCHIVI NTTECLOTONELCGPLRYTTETGARVGEOVEELEIJ EHEHGILRKLOLGEFE
                                                                             54
                                                                                                                                                       161
                                                                                                                                                                                                          101 KCLESGMKKEMIMSDEAVEERRALIKKKKSERIGTOPLGVOGLTEBORMMIRELMDAOMK 150
340 YVLMQATSILESPURPGVEQHRVVDQLQEQEATTLKSYTECNRDQFAHRFLETKIMAMETE
                                                  281 FELCQUEENTVENAETGTWECGRISYCUEDTAG-GFOOLLLEPMIKEHYMIKKLOLHEEE
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                                                                                                                                                                                                                                     11 CVVCGDQATGYHFNALTCEGCKGFFRKTVSKSIGPICPFIAGSCEVSKIQRKHCPACKLO 69
                                                                                                                                                                                                                                                              41 CRVCGDKATGYHENVMTCEGCKGFFKRAMKRNAKLRCFEKKGACEITKKTRRGCQACKLR Toc
                                                                                                     SVWNYKPFADSGGKETFSLLPHMADMSTYMFKGTTSFAKVTSYFRDLPTEDGTSLLKGAA
                                                                                                                                                       TEDTITESHEKNERLEGVI.SSGOELPESI.QAPSKEEAAKWSQVXKDI.CSI.KVSI.QII.F.DEI.S.
                                                                                                                                                                                 KCLDAGMRKDMILSAEALALRRAKQAQRRAQOTPVQ - - - LSKEQEELIKTILGAHTK
                                                                                                                              HMGTMFEQFVQFRPPAHLFIHHQ-PLPTLAP
                                                                                                                                                                                                                                                                                                                                                                                                                                 PS00031; NUCLEAR_RECEPTOR:
                                                                                                                                                                                                                                                                                        Conservative
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                                                                          ----VLPLVTBFADINTEMVLQVIKFIKDLPVFKSLPIKDQISLLKGAA
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    SEQUENCE ON FINE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20 AUG 200 (Ref. 40, last sequence opdate)
20 AUG 200 (Ref. 40, last annotation update)
outdon NUCLEAR RECEPTOR NRITE (CONSCILLTIVE ANDROSTANE RECEPTOR)
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Plam: Pro0104; hormobe rec: L.
Plam: Pro0105; ZEC4: L.
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                                                                                                                                          INTE VALUE
                                                                                                                                                                                Receptor: Transcription regulation; DNA binding: Nuclear protein; Zuer Tinder: Activator.
                                                                                                                                                                                                                      Remarkant:
                                                                                                                                                                                                                                                                      PROBLEE ISSUED I: NUCLEAR RECEIVED.
                                                                                                                                                                                                                                                                                                                      SMART: SMOORGE: ZDF F4; 1
                                                                                                                                                                                                                                                                                                                                                                                                       PRINTS: 19900546; THYROTOBORME.
                                                                                                                                                                                                                                                                                                                                                                                                                                        PRINTS: PRODUCT: STREEDFINGER
PRINTS: PRODUCTS: VILAMINIE.
PRINTS: PRODUCTS: STREEDFINGER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterProp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EME
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or send an email to license disb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            between the Swiss Institute of Biointormatics and the EMBL outstation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SECUMENT FROM N.A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FINCTION: BUNDS AND FRANSACTIVATES THE RETINOTE ACTO RESPONSE BLEMENIS THAT CONTROL. EXCRESSION OF THE RETINOTE ACTO RECEPTORE BLEMENIS ALCOHOL, LEHYDROCENASE 4 GENES. TRANSACTIVATES BOTH THE PHENDRARHIAL BUSTONISTOR ELEMENT MODULE OF THE BUMAN CYPPIRG GENE AND THE CYPPIAA XENGRIFOTIC RESPONSE ELEMENT (BY SIMILARITY).
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AF133094; AAF22566.1;
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TPRO01628: z1 c4.
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Query Match Best Local Similarity

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Prody No. 3.

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SIMILABILITY: BELONGS TO THE NUCLEAR HORMONE RECEPTORS FAMILY.

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Mammalra: Eufheria: Rodentia: Schurognathi: Muridae: Muribae: Mus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A. (ISOFIRMS CARL AND CAR2)
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                                                                                                                                                    SUBCELLULAR LOCATION: NUCLEAR (BY SIMILARITY).
ALTERNALIVE FRODUCTS: 2 ISOPHEMS; CAR2 (SHOWN HERE) AND CAR2: A
PRODUCED BY ALTERNALIVE SPLITTING. CARZ LORGEN NOT SEEM TO ACT AS
FRANSACTIVATOR, IT LACKS THE C FERMINAL PORTION OF THE LICAND
HADDING/DIMERIZATION HOMAIN.
                                                 TISSUE SPECIFICITY: PREDOMINANTLY EXPRESSED IN LIVER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            b. Biochem. Biophys. 469:11-24(1999)
SHBUNII: HETERADIMER OF NRITA AND RXK
BINDING, HINGE, AND LIGAND BINDING/DIMERIZATION DOMAINS
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1999 (Ref. 48, Last sequence update)
-2001 (Ref. 40, Last amoutation update)
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Best Local Similarity
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PIAM: PF001045: Z1-C4; 1.
PIAM: PR00047: STROILFINGER.
PRINTS: PR000450: VIFAMINGER.
PRINTS: PR000348: STRDHORMONER.
PRINTS: PR000346: THYROIDHORMR.
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ZN_FING 21 41 C4-TYPE.
ZN_FING 57 81 C4-TYPE.
                                                  NRH2_HUMAN
P55055; Q12970;
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SMART: SM00399; ZDE_C4: 1.
P '11E; PS00031; NDCLEAK_RECEPTOR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro: IPR001723: Strdhormone_reptor.
InterPro: IPR001628: z1-C4.
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MGD: MGI:1346307; Nr1i3
InterPro: IPR000536; Hou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license*isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       use by non-profit institutions as long as its content modified and this statement is not removed. Usage by an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the European Bioinformatics Institute. There are no restrictions on
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                                                                                                                                                            319 YAKLMGLLADLRSINNAYSYELQKLEELSAMTPILGEI 356
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 (Rel. 34, Created)
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(Rel. 40, Last annotation updat
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C4-TYPE.

C4-TYPE.

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DRPGVT -> GFCMQS (IN ISOFORM CAR2).

MISSING (IN ISCFORM CAR2).
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Shinar D.M., Endo N., Rutledge S.J., Vogel R.,
                                                                                                          SEQUENCE
                                                                                                                                                DOMAIN
                                                                                                                                                                                                                                                PRINTS; PR00047, STROIDFINGER. SMART; SM00430; HOL1; 1.
                                                                                                                                                                                                                                                                         Pram; PE00104; hormone_rec; 1. Pram; PE00105; zf C4; 1.
                                                                                                                                                                                                                                                                                                                            MIM: 600380
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EMBL: U14534;
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Gene 147:278-276(1994).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=9606;
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                                                                                                                                                                                     DNA_BIND
                                                                                                                                                                                                 Zinc-finger.
                                                                                                                                                                                                            Receptor: Transcription
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                                                                                                                                                                                                                                      SMART; SM00399; ZnF_C4;
                                                                                                                                                                                                                                                                                                  InterPro; IPR000536; Hormone_rec_liq.
InterPro; IPR001628; z1-C4.
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                       GPOTCRVOGDKATGVHENVMTOEGCKGFFFFFRAMKRNARLFCFFR-FGACETFFKTFROOG 95
GHELCRYCGDKASGFHYNYLSCEGCKGPFRRSYVRGGARRYACRGGGFCQMDAFMRRKCQ 142
                                                            Similarity
                                                Conservative
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AAA58594.1;
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                                                          Score 472; DB 1;
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                                                Mismatches
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40 MAY 2000 (Red. 49, Freedred)

20 ARC 2001 (Red. 40, Last sequence apidate)

20 ARC 2001 (Red. 40, Last amoutation update)

20 ARC 2001 (Red. 40, Last amoutation update)

(NDCLEAR ORDIAN)
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SILES SEACCH BY FOUR NUCLEOTIDES, LEXA PLAYS AN IMPORTANT ROLE IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Structural characterisation of the monse nuclear oxysterol receptor genes LXMedpha and LXRheta.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SIRAIN 129/SVJ; TISSUE Liver;
MEDLINE 2015/673; PubMed 10675617;
Alberti S., Stetteuser K.K., Gustalsson J. A
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or send an email to licensesisb sib.ch) entities requires a license agreement (See http://www.isb-sib.ch/announce/ use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial the European Ricintormatics Institute. There are no restrictions on this SWISS PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation -11.8

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EMBL: AF085745; AAD16050.1;
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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2	2158	98.7	457	4	Q9UJ26	homo
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4	1938.5	88.6	420	4	090J23	- Tomo
'n	1936.5	88.5	347	4	Q9UJ24	Folio
5	1881	84.6	474	÷	Q90J25	homo
7	1700.5	77.8	411	Φ	Q9TU02	
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                                                                                                                                                                                                                                                                                                                                          HESSEY.
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of MAY 2000 (PERMALICE, 13, Last sequence update)
of JUN 2001 (PERMALICE, 17, Last sequence update)
NUTLEAK HORRONE RETERTOR PREF C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eakaryota: Metazoa; Photolata: Chaniana: Vertebrata; Enteleostomn;
Mammalia: Entheria: Primates: Cataribini; Hominidae; Homo.
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Plan: PEGGISS: M. PA. 1.
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PROSTIE: PSHOUTE NUCLEAR RECEPTOR: 1.
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InterPro: IBB001628; Zt C4.
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d.: AJONOTAG: CARTAGNOST: .
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Best Gocal Similarity 94.5
Matches 412; Conservative
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NUCLEAK HORMONE RECEPTOR PRELA.
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Piam; PEGGL64; bormore ree; l. Piam; PEGGL05; 21 C4; l.
                                      InterPro: IPR081724; Strdho
InterPro: IPR081628; z1 C4.
                                                                                                                                                                                                                               "identification of a novel protein Isoform of the human nuclear beamone receptor FXR/SXK and localization to chromoseme 3pl2.1
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                                                                                                                       EMBIS AJ009946; CAB55489.1.
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Pred. No. 3 4e 178;
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Best Local S
Matches 411
                                                                                                                                                                                                Homo sapiens (Human).
Eukaryota: Metazoa: Chordata; Craniata; Vertebrata: Euteleostomi:
Mammalia: Eutheria: Primates: Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                 Q90JZ3;
01 MAY-2000 (TrEMBLrel. 13, Greated)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2001 (TrEMBLrel. 17, Last annotation update)
NUCLEAR HORMONE RECEPTOR PRR2-C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SMART; SM00430; HOLL; 1.
SMART; SM00399; ZDF_C4: 1.
PROSITE: PS00031; NUCLEAR_RECEPTOR; 1.
HSSP;
                                                                                                                                                                                                                                                                                                                                            090.123
            Fur. J. Hum. Genet. 0:0-0(0).
1: SUBCELLULAR LOCATION: NUCLEAR (BY SIMILARITY).
-1: SIMILARITY: TO C4-TYPE STEROID RECEPTOR ZINC FINGER FAMILY EMBL: AJ009937: CAB55493.1;
                                                                                  "Identification of a novel protein isoform of the human nuclear hormone receptor PXR/SXR and localization to chromosome 3q12.1
                                                                                                                    Vissing H
                                                                                                                               Heard D.J., Holloway J., Hansen C., Tommerup N.,
                                                                                                                                                TISSUE LIVER
                                                                                                                                                             SEQUENCE FROM N.A.
                                                                                                                                                                                          NCBI_TaxID=9505;
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SEQUENCE
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   P10826;
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No. 4.8e-178;
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Best Local Similarity 86.4%;
                                   PISSUE-LIVER;
Heard D.J., Holloway J., Hansen C.,
Vissing H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROSITE: PS00031: NUCLEAR_RECEPTOR: 1.
DNA-binding: Nuclear profein: Receptor: Transcription regulation:
Zinc-finger.
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SMART: SM00399; ZDF_C4:
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                                                                                                              Homo sapiens (Buman).
Eukaryota: Metazou: Chordata: Craniata: Vertebrata: Enteleostom);
Mammalia: Eutheria: Primates: Catarrhini: Hominidae; Homo.
                                                                                                                                                                           01-MAY-2000 (TrEMBLrel. 1), Last sequence update) 01-JUN-2001 (TrEMBLrel. 17, Last annotation updat
                                                                                                                                                                                                                 090.124;
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InterPro: IPR001723; Strdhormone_receptor
InterPro: IPR001628; z1 c4.
normone receptor PXR/SXR and -13.3.";
                                                                                                                                                                                                     01-MAY-2000 (TrEMBLrel.
                        "Identification of a novel protein isotorm of the human nuclear
                                                                         SEQUENCE FROM N.A
                                                                                                  NCBI_TaxID 9506;
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                                                                                                                                                                  NUCLEAR HORMONE RECEPTOR PRR2-A.
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            localization to chromosome 3412.1
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                                               formerup N.,
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                                                  Aagaard L.,
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Best Local Similarity 86.2%;
Matches 374; Conservative
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INSER: PIORZE: IHRA.
                                                                                                                                                                                                                                                                                                                                                                      of MAY 2000 (TERMINED), 15, fast sequence update) of MAY 2000 (TERMINED), 15, fast sequence update) of BIN 2001 (TERMINED), 17, fast amoutation update.
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Phans P500105; 21 C4; 1.
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                                                                                                                                                                                   Eukaryota: Metazoa; Chordata; Craniata; Vertebrata; Enteleostomi;
Mammalia: Entheria; Primates; Catarrhini; Hominidae; Homo_
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Best Local Sim
Matches 358;
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01-MAY 2000 (TrEMBLIEL 13, Last sequence up
01-JHN-2001 (TrEMBLIEL 17, Last annotation
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Plans PEGGIO5: zf C4; l.
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                                                                                                                                        NRII2 oR PXR.
oryetolasus empiembus (Rabbit).
Enkaryota: Metazoa; Chordata: Craniata: Vertebrata: Enteleostomi:
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SEQUENCE
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InterPro: IERO(1628: 71-64)
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STRAIN BREED NEW ZEALAND WHITE RARBIT: ITSSUE KIDNEY
                               SECTIONS FROM N.A.
                                                                                  NUBI_LaxID 9986;
                                                                                                                  Mammalia: Butheria; Lagomorpha;
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P. SUBLARITY: TO C4 TYPE STEROID REFERENCE ZIMO FINGER FAMILY
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Best Local Similarity
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PRINTS; PRO0047; STROHOFINGER,
SMART; SMO0430; HOLL: 1.
SMART; SMO0430; HOLL: 1.
PROSITE: PS00041; NUCLEAR_RECEPIOR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mol. Endocrinol. 14:27-39(2000).
-!- SUBCELLUIAR LOCATION: NUCLEAR (BY SIMILARITY)
! SIMILARITY: TO C4-Type STEROID RECEPTOR ZING FEMIL; AF182217; AAD54426.1; -.
EMBL; AF18476; AAF31165.1; -.
HSSP: P10826; THRA.
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           01-MAY-2000 (FERMBLrel. 13, Greated)
01-MAY-2000 (FERMBLrel. 13, Last sequence update)
01-JUN-2001 (TEEMBLrel. 13, Last annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InderPro: 1PR001628; z1-C4.
Ptam; PF00104; hormone_ree; 1.
Ptam; PF00105; z1-C4; 1.
   NUCLEAR HORMONE RECEPTOR PRR2-B.
                                                                     0911.122;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "The rabbit prequane x receptor is activated by ritumpicin.":
                                                                                                                                                                                                                                                                                                                                                                                                              205 DIOSEKVSLOCKGEDGSVWNYKPPADSGGKETPSELPHMADMSTYMFKGITSFAKVISYF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  145 EEQRMMIRELMDAQMKIFDITTFSHEKNEKLPGVLSSGCELPESLQAPSREEAAKWSQVRK 204
                                                                                                                                                                             362 THRELELKIMAVLIELKLINAQHTÖKLLRIQDTHPFATPLMKELFSTT
                                                                                                                                                                                                               385 AHRELELKIMAMLTE---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       62 EITRKTRRQCQACRLRKCLESGMKKEMIMSDVAVAQRRALIKRKKRERMEAQPPGMQGLT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25 GKPSVNADEEVGGPQICRVCGDKATGYHFNVMTCEGCKGFFRKAMKRNARLRCPFRKGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 GKPTISADEE-EGPOTCRVCGDKANGYHENVLLTCEGCKGFFRRTVKRNAKLRCPFRKGAC 61
                                                                                                                           α
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          - ELTEKTERGOGAGRIEKGLESGMKKENIMSDEAVEEKRALIKKKKSERIGTGPLGVOGLT 144
                                                                                                                                                                                                                                                                                                                     RDLPTEDQISLLKGATLEGGLLKENTVENAETGTWEGGRLSYGVEDPEGGEGGLLVDPLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                GEGRMITEELMDAGMKTEDTTESHEKNERLEEVLGSGCEIPESLQALTEEEAGRWRQIQE
                                                                                                                                                                                                                                                  KEHYMLKKLQLHKEEYVLMQATSLESPORPGVVQREVVDQLQEREATTLKAYTEGSRPQP
                                                                                                                                                                                                                                                                                   KEHYMIKKIQIHEEEYVIMQAISIESPDREGVIQHRVVDQIQEQEAITIKSYIEGNREQE
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                                                                                        PRELIMINARY;
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78.7%; Pred. No. 9.7e-139;
vative 33; Mismatches 33; Indels
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Best Local S
Matches 321
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InterPro: IPROUS23; Strdhormone_receptor
InterPro: IPROUS28: /1-C4.
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-!- SUBCELLULAR DEATION: NECLEAR (BY SIMILARITY)
-!- SIMILARITY: 10 (4-1-ypt STEROID RECEPTOR ZING EMBL; AJ009937; CAH55494.1; -.
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Ptam; PF00105; zt-c4; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Identification of a novel protein isotorm of the human hormone receptor PXR/SXR and localization to chromosome
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Zinc-tinger
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA-binding: Nuclear protein; Receptor; Iranscription regulation;
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SMART; SM00399; ZnF_C4; 1.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            y Match 74.6%; Score 1631.5; DB 4;
Local Similarity 84.7%; Pred. No. 70-183;
Concentrative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                         61
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                                                                                                                                                                             SPITESTINGMINITARABILE
                                                                                                                                                                                                                               EAVEERRALIKRKKSERTGTQPLGVQGLTEEQRMMLRELMDAQMKJFTVTTESHEKNEHLP 175
                                                                                                                                                                                                                                                                                                                                                                                                                                           MTCEGCKGFEKRAMKRNARI.RCFERKGACELTRKFRHOCGACKLRKCLESGMKNEMIMSD-60
                                                                                                                                                                                                                                                                                               IFSLLPHMADMSTYMFKGIISFAKVISYFRINDFIEDQISLLKGAAFFLCQLKFNIVINAE
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O91839 PRELIMINARY: PRT.
O91839;
O91839;
O1906 (Tremblicel Ol. Created)
O1-NOV-1996 (Tremblicel Ol. Last sequ
O1-JUN-2001 (Tremblicel I7, Last and
ORPHAN NUCLEAR RECEPTOR OF STEROID/H

, Last annotation update)
STEROID/THYROID SUPERFAMILY Last sequence update)

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Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Euteleostonu:
                                                                  01 MAR 2001 (TERMIGLE), 15, Treated)
01 MAR 2001 (TERMIGLE), 16, Last sequence update)
01 JUN 2001 (TERMIGLE), 17, Last sequence update)
08 ORBHAN NUCLEAR RECEPTOR BAK RECA.
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Interface: 10000548; zt c4.
Plan: 9500104; hormone ree; L.
Plan: 19500105; zt c4; L.
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HSSP; P10826; THRA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDITINE 94173664; PubMod 8127656;
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Eukaryotas Metazon; Chordatas Craniafas Vertebratas Euteicostomi;
Amphibia: Batrachias Amuras Mesobaltachias Pipolden; Pipolaes
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                                       Larvis (Atrican clawed froq)
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Rest Local Similarity
                                                                                                                                                                       O'SDEH (
                                dallus gallus (chicken).
Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Enteleostomi:
                                                                           OXR
                                                                                                             01 MAR 2001 (TEMBLEEL, 16, Created)
01-MAR-2001 (TEMBLEEL, 16, Last Seq
01 JUN-2001 (TEMBLEEL, 17, Last ann
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Pram; PF00105; 21-e4; 1.
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! SUBCELLULAR LOCATION: NUCLEAR (BY SIMILARITY)
-! SIMILARITY to C4 MYDE SIEBOID RECEPTOR ZINC FINGER FAMILY
EMBL. AF405201; AA624910.1;
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                 Archosauria; Aves; Neognathae: Gallitormes; Phasianidae; Phasianinae;
                                                                                              XENOBIOTIC RECEPTOR
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SMART; SMOU399; ZnF (4)
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                                                                                                                                                                                                 PRELIMINARY;
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47.1%; Fred. No. 1.4e-71;
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Best Local Similarity
Matches 188; Conserv
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01-001-2000 (Tremstret, 1
01-001-2000 (Tremstret, 1
01-JUN 2001 (Tremstret, 1
VITAMIN D RECEPTOR A.
Paralichthys olivaceus (Flounder).
Eukaryota: Metazoa: Chordata; Craniata;
Actinopteryqii: Neopteryqii; Teleostei;
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-i- SUBCELLSLAR LOCATION: NUCLEAR (BY SIMILARITY).
-i- SIMILARITY TO CQ4-TYPE STEROID RECEPTOR ZINC FI
EMBL: AF276753: AAG18374.1:
-InterPro: IPR000556; Hormone_rec_liq.
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ptam: PF00105: z1-c4: 1.
priam: PF00105: z1-c4: 1.
prints: PF001404: STRUDDENMER.
PRINTS: PR00047: STRUDDENGER.
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SMART: SM00399; ZnF_C4;
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InterPro: IPR001628; z1~c4.
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"CXK, a chicken x-nobiotic-sensing orphan nuclear receptor, is related
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Prod. No. 1.8e-67;
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         Vertebrata: Euteleostomi:
Euteleostei: Neofeleostei
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                                                                                                      Q91B74:
01-ост-2000 (IrEMBLIel, 15, 17
01-ост-2000 (IrEMBLIel, 15, 17
01-JUN-2001 (IrEMBLIel, 17, 1,
VITAMIN D RECEPTOR B.
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1: SUBCELUDAR LOCATION: NUCLEAR (BY SIMILARITY).
1: SIMILARITY: 10 CQ1-YVER STEROID RECEPTOR ZINC FINGER FAMILY EMBL: AB037674: BAA95016.1; -.
                                                                                                                                                                                                                                                                                                                  091H74
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SMART; SM00399; ZnF_C4;
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Paralichthys olivaceus (Flounder).
Eukaryota: Metazoa; Chordata; Craniata: Vertebrata: Euteleostomi:
                                                                                         VDRB.
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DNA-binding: Nuclear protein; Receptor: Transcription regulation:
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InterPro; IPRO01628; zf C4.
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                                                                                                                                                            C.E.INT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shanki I., Shanki N., Srizastaza A.S., Korokawa I
"Identification of chNAs encoding two subtypes of
in Hounder, Paralichthys ofivareus.":
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Acant bowerpha: Acant hopfer prin: Perceworpha: Pleuromed firmmes;
Pleuromedandei; Both dae: Paralichthys.
Neot Taxib 8259;
ST MAY 2000 (TrEMBLIFEL)
                                                                                                          COPTAGE
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PRINTS: PRODUCT: STRUIDFINGER
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I SHESHIULAB DEWALDAN NUCLAR (BY SIMILARITY).

I SIMILARITY TO 24 TYPE STEROLD RESERVE ZINC E EMBEL ABO 475: BAA55015.1:
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Submitted (JUL-1999) to the EMBL/GenGank/DUBL databases.
! SUBMILLUIAR LOCATION: NUCLEAR (BY SIMILARITY).
(1. SIMILARITY: TO CA TYPE STEROID RECEDIOR ZINC FINGER FAMILY
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VITAMIN D RECEPTOR.
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InterPro: (PR001628: z1:C4.
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Search completed: March
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Best Local Similarity
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NATIVE 409:585-690(2001).
-11 SUBCELLOLAR LOCATION: NUCLEAR (BY SIMILABITY).
-1- SIMILABITY: TO C4-TYPE STEROID RECEPTOR ZINC FINGER FAMILY.
EMBL. AKOllloB: BAB27404.1;
-1- MCD: MCI:1437040; NEI12.
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STRAIN-C57HL/6J; TISSUE EMBRYONIC LIVER;
MEDLINE-21085660; PubMed-11217851;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JUN-2001 (TrembLrel. 17, Created)
01-JUN-2001 (TrembLrel. 17, Last sequence update)
01-JUN-2001 (TrembLrel. 17, Last amoutation update)
NUCLEAR RECEPTOR SUBFAMILY 1, GROUP 1, MEMBER 2 (FRAGMENT).
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PROSITE: PS00031; NUCLEAR_RECEPTOR; L
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Aizawa K.,
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K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka
K., Kazaki Y., Gojobori I., Bono H., Kasukawa I., Saito
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     124 AA;
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                                         2, 2002, 02:44:32
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	•	245	10.4	222	45
	ŗ	2659	10.7	230.4	4
H91846 Xenopus lae		1782	10.8	212	43
C.	σ	1071	11.0	236	42
Κ.		1503	11.0	236.6	41
	Ų.	2429	11.2	239.8	40
	5	324	11.3	242.8	99
AX137060 Sequence	6	324	11.4	243.6	38
	5 XLRNAON	1638	12.1	258.6	37
AF454232 Saguinus	ç	1284	12.3	264.8	36
	υ'n	1724	12.5	267.8	E CT
JO3258 Human vitam	9	4604	N.	272.8	34
X67482 H.sapiens m	¢	1435	N	272.8	<u>د</u> د د
	ç	1284		272.8	32
	٥	1284	\sim	272.8	31
	J	2494	N	275	30
	СП	1790	12.9	276.4	29
	5	415	12.9	276.8	28
	5	415	12.9	277.2	27
AX099115 Sequence	ົ >	296	13.0	278.2	26
J04147 Rat 1,25 d	10	2043	13.0	278.8	25
AX147046 Sequence	5	962	1 4.0	279	24
AYCU7189 Homo sapi	9 A	3315	14.0	279.4	23
Be'CO671+ Mus museu	10	3 1 28	13.1	280.8	2.2
D4) 969 Monse mkNA	10	1377	13.1	280.8	21
AF276763 Callus da	Ĵ	1 340	13.2	284	20
E327Jb Novel marke	5	644	28. 4	608.2	
	Q.	16/01/85		682.4	ດ ສະໄ
Al'364606 Home sapri	ç.	85081	i x	682.4	17
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AF188476 or vertollad	A :	1601	46.7	991.4	
Archio14 349 Hayra	10 AF0*1814	1755	40.3	1000.6	
AFIRZZIV or yet olda	. 4 : A	1845		1011	1.2
E32700 Nevel nucle	5	1305	60.8	1305	1
F32702 Novel bucle		1422	62.0	1330.2	10
E32701 Novel nucle	6 E32701	1 174	64.0	1374	45
	σ	2068	_	1741.2	спс
	4	2802		1866.6	7
AJU09947 Homo sapi	ۍ	4337		1896.6	5
^	6 E12708	1241		2006.4	UT.
AF084645 Homo sapi	۰	2905	97.2	2086.2	
E42709 Novel marie		3057	98.6	2115.4	_
	æ	4448	99.2	2128.6	N
ome s	, 4 AFU61056	2146		2146	_
Total Total	1 100 10				
Descript ion					

ALIGNMENTS

REFERENCE AUTHORS	MEDI INE	JOURNAL		3/1111		AUTHORS	REFERENCE			ORGANISM	SOURCE	KEYWORDS	VERS ION	ACCESSION	DEFINITION	LOCUS	AF061056	RESULT 1
2 (bases 1 to 2145) Lehmann, J.M., McKee, D.D., Watson, M.A., Willson, L.M., Moore, J.1. and	98395173	J. Clin. Invest. 102 (5), 1016-1024 (1998)	that regulate CYPRA4 gene expression and cause drug interactions	The human orphan nuclear receptor PXR is activated by compounds	Kilewer, S.A.	Lebmann, J.M., McKec, D.D., Watson, M.A., Willson, F.M., Moure, J.T. and	1 (bases 1 to 2146)	Mammalia: Eutheria: Primates: Catarrhini: Hominidae: Homo.	EuKaryota; Metazoa: Chordata; Cramiata; Vertebrata; Euteleosfomi;	Homo sapiens	humari .		AF061056.1 G1:3511137	AF061056	Homo sapiens orphan nuclear receptor PXR mRNA, complete eds.	AF061056 2146 bp mRNA PRI 20 JAN 1999		

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                                                                                                                                                                                                                                                                                                                                    Submitted (31-JUL-1998) Heard D.J., Movo Nordisk A/S, Molecular Genetics, Novo Alle, DK-2880, Bagswaerd, DENMARK
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1 (bases 1 to 4448)
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/transl_except=(pos:1771. .1773.aa:Met)
/product "nuclear hormone receptor PRRI-C"
/protein_id="Qab5440.1"
/db_xret "G1:5852064"
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/tissuc_type="liver"
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/db_xret:"taxon:9606"
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KIQLHEEEYVLMQATSLESDURGGTWETGKLSYCLEDTAGGFOOTLKSY ETNRI-OPAHKEL
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KKCLESGMKNEMIMSDEAVEERKALIKEKKSEKIGIQELAVQGLIFEGKMMLRELMDA
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/db_xret="G1:5852064"
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SVPGKPSVNADEEVGGPGICRVCGDKATGYHFNVMJCEGCKGFFRKAMKHNAKLRCTF
RKGACEITRKTRRQCQACRIRKCLESGMKNEMIMSDEAVEEKRALIKKKKSEKIGIQD
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/note "full length receptor"
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TTSFAKVTSYFRDLPTEDOTSLLKGAAFELCOLTFNIVFNAETGTWETGKLSYTLEDT
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Query Match 99.2%; Bost Local Similarity 99.8%; Matches 2142; 1537 TGAAATATAGGTGAGAGACAAGATTGTCTCATATCCGGGGAAATCATAACCTATGACTAG 1596 1597 GACGGGAAGAGGAAGCACTGCCTTTACTTCAGTGGGAATCTCGGCCTGGAGCCTGCAAGCC 165g 121 61 AAGTGTTCADAGTGAGAAAAGCAAGAGAGAATAAGCTAATACTCCTGTGTCCTGAACAAGGCAG 1716 Conservative 0; Mismatches Score 2128.6; Pred. No. 0; DB (); 4 [ndels Length 4448: -Gaps

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JARAN TJAGACO INC
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PR JUN YAMAMOTO, YUTAKA SALIO, TAKAYUKI NAITO
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/protein_id="CAH55494.1"
/db_xret "G1:5852069"
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JAPAN TOBACCO INC
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Best Local Similarity

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Rat Pregnane X Receptor: Molecular Cloning, and Xenobiotic Regulation Archive of Biochemistry and Biophysics LeCulyse, E., Liu.I., Hu.M., Matoney, L., 368 (1), Fissur Dustribution, 14-22 Zhu.W. and Yan.B

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                                             603 CTATACCCCCCCAGCTGACACAAGTGGGAAAAAGCTCTTTTCTCTGCTGCCCCACCTTGGC 662
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                                                                                                                                         543 AGAGCTGGGCACCATGAAGCTCTCTGTGGAGCTGCGGGGGGGAAGACGGCAGCGTCTGGAA 602
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                                                                                                                                                                                                                                                                                                                                                                                                                        363 GGGAGAGCAGCUGATGATAATCGAGGAGCTGATGGACGCTCAGATGAAAACCTTTGACAC 422
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/translation-"MGGKerlsADEEEGPUTCRVCGDKANGYHFNVLTCEGCKGFFRR
TVKRNAKLECPF9KGACEITRKTHRQCGACRLRKCLESGMKKEMIMSDVAVAQRRALI
FKKKKENNERQPPGMGGLTGEGNNLIEELMDAQMKIFDTFESHFKNFRLPEVLASGGE
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HLADMSTYMEKGIINEAKVISYFRÜLPIEDQISLLKGATLELCLLRENTVENAETGTW
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84.7%; Pred. No. 1.2e-213;
vative 0; Mismatches 201; Indels 3;
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Search completed: March 2, 2002, 01:49:34 Job time: 3740 sec

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13171.678 Million cell updates/sec
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Match Length DB		ID	Description
_	2146	100.0	2146	20	AAZU7997	Human pregnane X r
2	2115.4	98.6	3057	20	AAX59975	ENA encoding an in
ù.	2101.4	97.9	1093	25	AAX78807	Human nNR7 cDNA.
4	2075.2	96.7	2910	20	AAX56242	Human vitamin D re
J	2006.4	93.5	1241	20	AAX59974	DNA encoding an in
6	1866.6	87.0	2802	20	AAX5624 +	Human vitamin D re
7	1866.6	87.0	2850	20	AAX78808	Human nNR7-1 cDNA.
œ	1744.4	81.3	2068	20	AAX89080	Human steroid and
æ.	1744.4	81.3	2068	2.2	AAH25489	Nucleotide sequenc
10	1 +74	64.0	1 174	20	AAX59967	DNA encoding an in
11	1330.2	62.0	1422	20	AAX59968	DNA encoding an in

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ALIGNMENTS

	PI Kliewer SA, Willson TM;	XX PA (GLAX) GLAXO GROUP LID.	PR 27-MAR-1998; 9	26-MAR-1999.	PD 30-SEP-1999.	PN W09948915-A1.	OS Homo sapiens.			DT 17-JAN-2000 (first entry)	AC AAZ07497;	RESULT 1 AAZO7997 ID AAZO7997 standard; DNA; 2146 HP.
251.	ISOD TM;	NUP LID.	98US-0079593.	99W0-US06737.				Human; nuclear receptor; prequane X receptor; PXR; CYP; CYP3A4; cytochrome P-450 mono-oxygenase; drug interaction; hPXR; ss.	Human pregnane X receptor (hPXK) eucoding DNA.	rst entry)		5; INA: 2146 HP.

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The modulators are potentially useful for: associating particular diseases and conditions with EXE and for treating such conditions. And that conditions with EXE and for determination and partition to determination and partition of dexe. The present sequence represents a DNA encoding the
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                The invention provides an isolated human medical receptor (designated presente X receptor, PRK) that binds to a cytochrome P 450 mono-oxygenose (CYD) promoter (The hext is used to identity; its specific modulators, and compounds that induce CYP364 expression (i.e. to identity drug
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                                                                                               metabolic, proliterative or inflammatory condition.
N.B. The Specification specifically claims the VDRR nucleic acid and
polypeptide sequences given in flaures 1, 4, 7 and 8, but no figures
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    signal transduction, can be used for treating metabolic, proliferation or inflammatory conditions. They can be used in the manufacture of a medicament for treating the following conditions: obesity, diabetes,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polypeptide. Human VDRR polypeptides and substances which aftert VDKK signal transduction, can be used tor treating metabolic, proliferative or inflammatory conditions. They can be used in the manufacture of a
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                                       polypeptide sequences given in figures are given in the specification.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     anorexia, lipoprotein detects, hyperlipidaemia, hypercholesterolaemia or
hyperlipoproteinaemia and osteoporosis, rheumatorid arthritis, benjan and
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                                                                                                                                                                                                                  New steroid and xenobiotic receptor, used to identity modulators for controlling metabolism of steroids and xenobiotics, e.g. reducing
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breast cancer (treated with tamoxilen, raloxilen etc.) or osteoporosis (treated with Virumin R), or to slow metabolism of therapoutic storoids. Also, modulating endogenous SXR is used to treat disease, particularly an agonist is used where endogenous storoid levels are excessive (e.g. cushing syndrome; virilism and hirsuitsm in women; polycystic ovarian disease; li beta-, 17- or 21-hydroxiase deliciency; A heta-hydroxystoroid dehydrogenous deliciency, or breast, colorectal or prosetter canner), while antagonists are used where endogenous steroid levels are too low distributed express SXR are used to identify compounds likely to be anyolyed in undestrable drug interactions. Antibadies specific for SXR are used in immunohistochemical testing for studying distribution/expression density of SXR, also for diagnosts and therapoutically as antagonist. The present sequence represents the longest SXR clan clane. requiates expression of catabolic enzymes, in response to many different steroids, and space affects metabolism. SXR is a broad specificity, low-affinity receptor for reducing excessive fevels of steroids in the circulation. (Ant)agonists of SXR are used to regulate metabolism of steroids particularly phytoestrogens or calcium-channel blockers, to reduce steroid toxicity in subjects being treated with steroids, e.g. in cases of tuberculosis (treated with ritample and related compounds). transcription through response elements present in steroid inducible 1950 genes, in response to a wide variety of natural and symbol is steroid The invention relates to a novel nuclear teceptor polypoptide, desimate SXR (steroid and xemobiotic receptor). SXR (i) forms a heteroidimer with rethnold X receptor (RXR), (ii) binds to a direct or inverted response element modil based on the half-site AGTTCA, (iii) activates encoding the SXR polypeptide. hormones and (iv) is prominently expressed in liver and intestine. SXR invention relates to a novel nuclear receptor polypeptide, designated

81.3%; Score 1744.4; DB 20; Length 206d; Best Local Similarity 99.4%; Pred. No. 0; Matches 1781; Conservative of the conservat Sequence 2058 Bt; 520 A; 541 C; 586 G; 420 I; 1 other

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                                                                                                                                                                                                       termed steroid and xenobiotic receptor (SXR). The SXR polypeptide is capable of forming a heterodimer with retinoid X receptor (KXR), activating france; ption through response elements found in steroid activating transcription.
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                 human SXK serve as models for human response to various agents which
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AAPBU641 AAFRUEUL: standard: CDNA; BOL Ξ

unidentitied Probe: microarray: cancer: immnopathology; neuropathology: ss

Receptor #89 partial coding sequence

08-JUN-2001

(lust entry)

US6183368 B1 OS FER 1007

Bandman C. (INCY -) INCYTE PHARM 27 MAK: 1998; Baughn 1,6,6, Lat P, 9805-0079677 9908-0276531 H111man <u>:</u> : Yue H, Reddy B.

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WP1: 2001-201999/20

Composition having probes which comprise part of done sequence enceptoteins associated with cell proliferation useful as hybridizable Claim array elements in Microarrays to monitor Summer 10,0 173 176; 104pp; English expression of target sequence encoding

polynueleotides. The microarray can be used in the diamnosis of such as adenocarcinoma, leukaemia, lymphoma, metanoma, myeloma, array elements in a microarray for monitoring the expression of several The present invention relates to a composition comprising several polynnelectide probes. Probes can be derived from the present sequence. The probes are immobilised and are preferably useful as hybridisable tympdicana.

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Matches 776;
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The nucleic acid sequence was isolated from a human adult cluan
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           of various diseases. The present sequence was used in the course
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         be used for the development of drugs and diagnosis and treatment
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and AAB77289 represent sequences used in the exemplification of the
                                                                                           and treatment of colorectal carcinomas and cancers. AAH+7]96 to
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CLASSIFICATION INMEER: 60/079.677 APPLICATION NUMBER: 60/079.677 FILING OATE: MATCH 27, 1998 CLASSIFICATION NUMBER: 42/918 ATTORNEY/AGENT INFORMATION: ATTORNEY/AGENT INFORMATION: ATTORNEY/AGENT INFORMATION: REGISTRATION NUMBER: 42/918 REFERENCE/TOOKET NUMBER: PA-0008 IELECOMMUNICATION INFORMATION: TELEPHONE: (650) 85-0555 TELEFAX: (650) 85-0555 TELEFAX: (650) 845-4166 INFORMATION FOR SEQ ID NO: 111: SEQUENCE CHARACTERISTICS: LENGTH: 801 base pairs TYPE: DUCICIC acid STRANDEDNESS: SINGLE TOPOLOGY: Linear IMMEDIATE SOURCE: LIBRARY: SINIFETIO3	NUMBER OF SEQUENCES: 134 CORRESPONDENCE ADDRESS: ADDRESSE: INCYTE PHARMACEUTICALS, SIREET: 3174 PORTER DRIVE: CITY: PALC ALTO SIME: CALLFORNIA COUNTRY: USA COUNTRY: USA COUNTRY: USA COUNTRY: HOPPY COMPUTER READABLE FORM: MEDIUM TYPE: FIOPPY MEDIUM TYPE: FIOPPY MEDIUM TYPE: FORM: COMPUTER IBM PC COMPATIBLE OPERATING SYSTEM: PC-MOS/MS-DOS SOFTWARE: WORD POTOS OF MATERIAL APPLICATION DATA: APPLICATION NUMBER: US/09/276.531	ALI Seguence 111 Application US/09276531 Sequence 111 Application US/09276531 Sequence 111 Application US/09276531 Sequence 111 Application US/09276531 APPLICANT: Bainuman, olda APPLICANT: Lai, Preeti APPLICANT: Hillman, Jenniter L. APPLICANT: Hillman, Jenniter L. APPLICANT: Hope, Henry APPLICANT: Reddy, Roopa APPLICANT: Govelor, Karl J. APPLICANT: Govelor, Karl J. APPLICANT: Govelor, Karl J. APPLICANT: Hopels APPLICANT: Govelor, Karl J. APPLICANT: Hopels Mariah R. TITLE OF INVENTION: COMPOSITION F.	28 83.8 3.9 2658 2 US-08-592-1 29 80.8 3.8 1860 5 PCT-US-95-1 30 80.8 3.8 1860 5 PCT-US-95-1 31 79.6 3.7 1659 1 US-08-343-1 32 79.6 3.7 1659 1 US-08-4644-6 33 79.6 3.7 1659 1 US-08-4644-6 34 77.6 3.6 2970 5 PCT-US-2 36 74.8 3.5 1649 2 US-08-6449-6 37 74.8 3.5 1649 5 PCT-US-2 38 74.4 4.5 1576 6 5260432-1 39 74.4 4.5 2295 3 US-09-144-4 40 74.4 4.5 2295 3 US-09-144-4 41 74.4 3.5 2401 3 US-09-144-4 42 73.2 3.4 2468 1 US-08-694-9 43 73.2 3.4 2468 1 US-08-694-9 44 73.2 3.4 268 1 US-08-694-9
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OPERATING SYSTEM: PC DES/MS 1008

SOFTWARE: Feature in Release #1.0, Version #1.25

CHERENT APPLICATION DATA:
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LITLE: Structure and regulation of the rat
LITLE: 1,25 dihydroxyvitamin D3 receptor
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
Volume: 65
                                                                                                       475 totraaanal geaagaget titt cagaaggeeratgaaargeaaggeergget gaggige 5-64
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655 at gaasgaagageegggeet tgat caageggaaagaaaagt gaaccgacaggaact cageea - 214
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                                                                                                                                                                                                                                   Sequence 5. Application US/07737736B Patent No. 5260199
                                                                                                                                                                                                                    GENERAL
                                                                     APPLICANT: Defuce, Hector F.
APPLICANT: Ross, Troy K.
APPLICANT: Prabl, Jean M.
TITLE OF INVENTION: Method of Producing
TITLE OF INVENTION: 1,25-Dihydroxyvitamin D3 Receptor Protein
NUMBER OF SEQUENCES: 6
  CORRESPONDENCE ADDRESS:
ADDRESSEE: Carl R. Schwartz, Esq., c/o Quarles & Brady STREET: 411 East Wisconsin Avenue
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Best Local Similarity 55.1%; Pred. No. 4e-55:
Matches 638: Conservative 0: Mismatches 487:
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                                                                  353 CGGCTCAAACGCTGTGTGGACATCGGCATGATGAAGGAGTTCATTCTGACAGATGAGGAA 412
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REGISTRATION NUMBER: 29,437
REFERENCE/DOCKET NUMBER: 96
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DATE: May-1988
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TITLE: Cloning and expression of tull-length cDNA
TITLE: coroding human vitamin D receptor
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Haussler, Mark R.
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INFORMATION FOR SEC ID NO:
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PROFESSION NUMBERS
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REFERENCE/DOCKET NUMBER: 00786/126001
RELECOMMUNICATION INFORMATION:
IELEPHORE: (617) 542-5070
PELEFAX: (617) 542-8906
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                                                                                                                                                                                                                                                                                                                                                                          Matches 327;
                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
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INFORMATION FOR SEQ ID NO:
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COMPUTER: IBM PS/Z Model 50Z or 55SX
OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: Wordportect (Version 5.0)
CURRENT APPLICATION DATA:
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REFERENCE/DOCKET NUMBER: 00786/126001
TELECOMMUNICATION INFORMATION:
1253 aanttotantygagneeatgotgaaatterantaeatgetgaagaagntgeagntgeatg 1312
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 07/843.350
FILING DAIE: February 25, 1992
Alterney/AGENT_INFORMATION:
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                                                           919 ACTITUTIOTIGOGGGCTOFICGOTACACAAFTGAAGATIGAACCCCGTGFGGGGTFCCAGG 978
                                                                                                                                       859 GAGCAGCIGIGGAAATCIGICACAICGIACICAATACCACITICIGICICCCAAACACAAA 918
                                                                                                                                                                                                                 799 CTAAGGACCTGCCCGTCTTCCCGTTCCCATTCAAAAACCAGATCTCCCLLCTCAAGG 858
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(617) 542-8906
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57.5%;
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Query Match 7.9%; Score 170.6; DH 1; Hest Local Similarity 57.5%; Pred. No. 9.2e-32; Matches 327; Conservative 0; Mismatches 249;

Length 145d; Slopui

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US-07-843-350C-1
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APPLICANE: David
                                                                                                                                      REGISTRATION NUMBER: 30,162
REFERENCE/POCKET NUMBER: 0078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PS/Z Model 50Z or 55SX
OPERATING SYSTEM: IBM P.C. DOS (Version 3.40)
SUPTWARE: Wordportect (Version 5.0)
CURRENT APPLICATION DATA:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55S
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PRIOR APPLICATION DATA:
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                                  TYPE: nucleic acid
STRANDEDNESS: single
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COMPUTER READABLE FURM: MEDIUM TYPE: Floppy

Floppy disk

COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS

Patentin Release #1.0, Version

#1.30

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NAME/KEY:
I/OCATION:
S-08-342-411A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match

4 °%; Score 97.6; DB :: Length 1898;
Best Local Similarity 47.6%; Pred. No. 2.5e-14;
Matches 585; Conservative 0; Mismatches 569; Indets 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE
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                                                                                                                                                                                                                                                                                                                                                           657 TTCCCC1GG1GGA-----
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803 CAGODIAAAGTIACGCCCTGGGCCCTGGGCGCAGACCCCCAGTCCCGAGATGCCCGCCAG
                                                                                                                    743 CTAATGATGCAGCAGTTGGTGGGGGGCCAACTGCAGTGCAACAAACGCTCCTTCTCCGAC
                                                                                                                                                                            889 Hetgoeaatuuugeeagdteegaaagatetgtgetetttgaa--gatetetetgeage 946
                                                                                                                                                                                                                                         683 GAGGMAGGCAGGCAGGGMICCGGGGAAGGAGGGGMICCAAGMAAGAGMCMCTCAAGAA 742
                                                                                                                                                                                                                                                                                             829 quqqtqcttaqcaqtqqctqcqaqttgccaqaqtctctqcaqqccccatcqaqqqaaqaa 888
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                                                                                                                                                                                                                                 CCTTGCGGC1CCAGGACAAGAAGCTGCCGCC1CTGCTG1CGGAGA1CTGGGAGGTCGACG-1448
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US-08-649-619H-1
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                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION
                                                     OPERATING SYSTEM: MS DOS E
SOFTWAKE: WOLDFOLICET 5.0
CURRENT APPLICATION DATA:
                                                                                                                                                                  COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                CORRESPONDENCE AUDRESS:
                                                                                                                                                                                                                                                                                                                                                APPLICANT: NAKAMURA, YUSUKE APPLICANT: E SALID, HIKOKO APPLICANT OF INVENTION: ENCODING
                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
CLASSIFICATION:
                                                                                                              COMPUTER:
                                                                                                                              MEDIUM TYPE: Diskette, 3.5 inches, 1.44 MEDIUM TYPE: storage
                                                                                                                                                                                                     COUNTRY:
                                     APPLICATION NUMBER:
                                                                                                                                                                                      Z1P:
                                                                                                                                                                                                                     STATE: Michigan
                                                                                                                                                                                                                                           CITY: Kalamazoo
                                                                                                                                                                                                                                                         SIREEL
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                                                                                                                                                                                      49008-1699
                                                                                                                                                                                                                                                             2026 Rambling Road
                                                                                                        IBM PC/XT/AT Compatible
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                                                                                                                                                                                                                                                                                                                                                    ENCODING THE SAME
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                                       US/08/649,619R
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Rest Local Similarity 54.8%;
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TELEFAX: (908) 594-4720
INFORMATION FOR SIQ ID NOT LE
SEQUIENCE: CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TIME DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: New Jersey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   bolan, Catherine A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           126 East Lincoln Avenue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Linear
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                                                                                                                                                                                                    #13,08/340,518
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Seore 97.6; DB 1; Length 2030;
Pred. No. 2.6c 14;
0; Mismatches 174; Indels
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Sequence 1. Application 08/08382883 Patent No. 5679518

GENERAL INFORMATION:

Friedman, Eitan

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US-08-330-283-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 4.5%; Score 97.6; DB 1; Length 2030; Best Local Similarity 54.8%; Pred. No. 2.6e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (908) 594-4284
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 1:
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APPLICANT:
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MEDIUM TYPE: Floppy disk
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NAME: Dolan, Catherine A
REGISIRATION NUMBER: 36.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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717 GCGTCCFFTCTGAAGAAGAGAFCCUGAAGAAGAAGAFTCGGAAACAGCAGCAGCAGGAGGT 776
                                 635 tyatcatytccyacyaggccytunaggagaggccygggcchtgatcaagcgyaagaaaagtg 694
                                                                                                                                                                                                                                                                                                          477 CCCCGAAGATGCTGGGCCACGAGCTTTGCCGTGTCTGTGGGGGACAAGGCCTCCGGCTTCC 536
                                                                                                                                                                                                                                                                                                                                               498 atgaddaagteggaggteeeaaatetgeegtgtafgtggggacaaggeeaetggetate 457
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CLASSIFICATION:
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OPERATING SYSTEM: PC-150S/MS-DOS
SOFTWARE: Patentin Refease #1.0, Version
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STATE: New Jo
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                                                                                                                                                     GEGGGGCAGGCGCTATGCCTGCCGGGGTGGCGGAACCTGCCAGATGGACGCTTTCATGC 656
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Schmidt, Azriel
Vogel, Robert
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Rodan, Gideon
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                                                                                                                                                                                                                                                        Matches 215;
                                                                                                                                                                                                                                                                          Query Match 4.5%; Score 97.6; DB 2; Length 20x8; Best Local Similarity 54.8%; Pred. No. 2.6e-14;
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                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: DNA (denomic) HYPOTHETICAL: NO
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REFERENCE/DOCKET NUMBER: 19327
TELECOMMUNICATION INFORMATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Fatentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                    ANTI-SENSE: NO
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LENGTH: 2030 base pair:
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APPLICANT: Vogel, Robert
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                                       458 acticaatqtcatqacatqiqaaqqatucaaqqqctittttcaqqaaqqccatqaaacqca 517
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                                                                                                                                                                     417 CAGACTOGGTCATCCCAGATCCCGAAGAGGAACAACCAGAGCCCCAAGCGAAAGAAGAGCCCCAG 476
537_ACTACAACGIGCTCAGCTGCGAAGGCTGCAAGGGCTTCTTCCGGGGGTAGIGIGGTTCGGG-596
                                                                                                     398 atgaggaagtoggaagtococaaatotgocgtgfatgfagggacaaggcocaotggcaft 457
                                                                                                                                                                                                            338 otgaetttgtaraetgtgaggaracagagtetglteetgaaageeeautgteaaegrau 397
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/646,248 FILING DATE: 14-MAY-1996
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Schmidt, Azriel
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Holloway, M. Katharine
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SEQUENCE 1, Application 197/108951 5924

CONBEAL INFORMATION:
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COMPUTER: BEM PC computible
OPERATING SYSTEM: PC LOSYMS DOS
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CURRENT APPLICATION DATA:
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        Pred. No. 2.6e 14;
O: Mismatches 174;
                                                                                      Length 2030;
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Conservative

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RESULT 15
POI-US94-12883-3
Sequence 3, Application PC/IUS9412883
GENERAL INFORMATION:
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                                                                                               TELEX: 79-0924
INFORMATION FOR SEQ ID NO:
                                                                                                                                  REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: ARE
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                    CLASSIFICATION:
ATTRORMEY/AGENT INFORMATION:
NAME: BARBARA S. KITCHELL
                                                                            SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDSUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
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COUNTRY: United States of
                                                                                                                                                                                                                                                                                                   FILING DATE: 10-NOV
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CITY: Houston
TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear
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                                                        1813 base pairs
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Hest Local Similarity 58.8%;
Matches 187; Conservative
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Pred. No. 3.1e-14;
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Search completed: March Job time: 3743 sec 7. 2002, 01:50:22

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Post-processing: Minimum Match U8
Maximum Match 1008
Listing first 45 summaries
                                                                                                                                                                                                                                                                           Database
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Maximum DB seq length: 2000000000
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                         fotal number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Scoring table:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALTGNMENTS

Konr Sum Yame Fuj	AUTHORS Shit	REFERENCE 3	•	MEDLINE 2049	JOURNAL Gend		TITLE Nort	AUTHORS Carr	REFERENCE 2	PUBMED 1032	MEDLINE 9927	JOURNAL Met.	TITLE High	AUTHORS Carr	REFERENCE 1	Eak: Mamn	ORGANISM Mus		SOURCE Mus	KEYWORDS CAP	VERSION AKO	ACCESSION AKO:	DEFINITION Mus		AK018630	RESULT 1	
Konno, H., Akiyama, J., Nishi, K., Kitsunai, T., Tashiro, H., Itol, M., Sumi, N., Ishir, Y., Nakamura, S., Hazama, M., Nishire, T., Horoda, A., Yamamoto, R., Matsumoto, H., Sakaquchi, S., Ikeqami, T., Kashiwaqi, K., Yuliyake, S., Inoue, K., Toqawa, Y., Izawa, M., Ohara, E., Watahiki, M., Yoneda, Y., Ishikawa, I., Ozawa, K., Tanaka, I., Matsuura, S., Kawai, J.,	Shibata, K., Itoh, M., Aizawa, K., Naqaoka, S., Sasaki, N., Carninei, P.,	3 (bases 1 to 2525)	11042159	20499374	Genome research, 10 (10), 1617-1630 (2000)	prepare full-length cDNA libraries for rapid discovery of new genes	alization and subtraction of cap-trapper-selected cDNAs to	Carninci, P., Shibata, Y., Huyutsu, N., Suqahara, Y., Shibata, K.,	2 (bases 1 to 2525)	10349636	99279253	Methods in enzymology, 303, 19-44 (1999)	High-efficiency full length cDNA cloning	Carninei,P. and Hayashizaki,Y.	1 (bases 1 to 2525)	Eukaryota: Metazoa; Ghordata; Graniata: Vertebrata; Eufoleosfomi; Mammalla: Butheria; Rodentia; Sciuroquathi; Muridao: Maringo; Mus.	Mus musculus	clone lib:RIKEN full length enriched mouse cDNA library clone:9140016118.	Mus musculus (strain:C57BL/6J) adult male eccum cDNA to mkNA.	CAP trapper.	AK018630.1 G1:12858434	library, clone:9130016118, full insert sequence. AK018630	Mus musculus adult male occum cDNA, RIKEN fullilength curiched	AK018630 2525 bp mRNA HTC 05-JUL-2001			

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Sasaki, D. Shibata, K. Shibata, Y., Shibaqawa, A., Shiraki, E.,
Soqabo, Y., Shibata, K., Taqami, M., Fasawa, A., Takababi, F.,
Tanaka, T., Tejima, Y., Toya, E., Yamamura, T., Yasunishi, A.,
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Arakawa,E., Parnipei,P., Pukuda,S., Eukunishi,Y., Buruno,M.,
Banadaki,T., Bara,A., Bayatsu,N., Biramoto,K., Biradka,T., Bori,F.,
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FIKEN libediated sequence abalysis (RISA) system 484 format
responding pipeline with 884 multicapillary sequencer
denume research. [0 (11), 1757-1771 (2000)
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Kojima,Y., Kombo,H., Kobda,M., Koya,S., Kurihara,C., Matsuyama,T.,
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Encyclopedia Project of Genome Exploration Research Group in Riken
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http://image.llnl.gov
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                  /db_xref="taxon:9606"
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Underwood,K., Steptoe,M., Theising,B., Allen,M., Howers,Y., Person,
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130201-864-d04st3-2001-02-13st4-1)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: asimpson dudwid.ord.br
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Contact: Robert Strausberg, Ph.D.
Email: cgapbs-rymail.mih.gov
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Mammalia: Butheria: Primates; Catarrhini; Hominidae; Homo.
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double-stranded CDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT71s vector. Library went through one round of normalization, Library constructed by Bento Soares and M.Fatima Bonaldo."
                                                                                                                                             /lab_bost="DHIOH (ampicillin resistant)"
/note="organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)
with a modified polylinker; Site_L: Pac I; Site_2: Eco RI;
This is a subtracted version of the original Soares tetal
                                                                                          /dev_stage="20 week-post conception tetus"
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Yamamoto.R., Matsumoto.H., Sakaquchi.S., Kovani.T., Kashiwaqi.K.,
Fujiwake.S., Inoue.K., Toqawa,Y., Izawa.M., Phara.E., Watahiki.M.,
Yoneda,Y., Ishikawa.T., Ozawa.K., Ianaka.T., Matsuma.S., Kawai,J.,
Okazaki.Y., Muramatsu.M., Inoue.Y., Kira.A. and Hayashizaki.Y.
RIKEN integrated sequence analysis (RSDA) system 384 format
sequencing pipeline with 384 multicapillary sequencer
Genome research. 10 (11), 1757-1771 (2000)
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Shibata.K., Itoh.M., Aizawa.K., Nagaoka.S., Sasaki,N., Parningi,P.,
Konno,H., Akiyama.J., Nishi,K., Kitsuadi,T., Tashiro.H., Itoh.M.,
Sumi,N., Ishi,Y., Nakamura.S., Hazama.M., Nishino,T., Harada.A.,
Sumi,N., Ishi,Y., Nakamura.S., Hazama.M., Nishino,T., Harada.A.,
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High-etticlency full-length cUNA cloning
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Email: ysazukiains,u tokyo.ac.,p
Suzuki,Y., Yoshirlomo Nakaadwa,K., Maruyama,K., Suyama,A. and Susano
.S. Construction and characterization of a full length enriched and
a 57 end enriched cDNA library. Hene 200 (1.2), 149-156 (1997).
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HSTU7557 similar to Homo sapiens orphan nuclear receptor (PAR1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Yutaka Suzuki
Department of Virology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .K., Suyama,A. and Sudano,S.
In silico mapping of the 5' ends of human mRNAs using full length
envicted and 5' end enriched cDNA Libraries constructed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Snzuki, Y., Isunoda, E., Taira, H., Mizushima Sugano, J., Sese, J., Hata
.H., Ota, E., Isogal, E., Tanaka, E., Nakamura, Y., Morishita, S., Okubo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Home sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Institute of Medical Science, University of Tokyo
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                                             /organism "Homo sapiets"
/db_xref "taxon:9606"
                                                                                                                                    Zelone "BS107557"
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Query Match 18.9 Best focal Similarity 97.7 Matches 293; Conservative

0; Mismatches

7; Indels

0; Gaps

13.5%; Score 288.8; 18-10; Length 300; 97.7%; Pred. No. 1.4e 59;

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ACCESSION ACCESSION
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Best Local Similarity
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               1985 olgangtotalaceceaealaceceaeattigttegeetteettjagtettiteattgetaect 2044
                                                                                    Source
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61 CTGGGGTGTATGCCCAGATACCCAGGTTTGTTGGCTTGGTGGAGTCTTTTCATTGCTACCT 120
                                                                    1 CCLCAGATOCCACTAAAGIGICAAGGTGTGGGAAGGAACCAAGCGACCAAGGATAGGCCAT 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unpublished (2000)
Contact: Zequang Han
Contact: Zequang Han
Chinese National Human Genome Center at Shanghai
(S1 Gho Shou)ing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai
201203, P. R. China
Telescope Forestone (F)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AVESTITIA GIT HOMO Sapiens CDNA clone GLCCSGU3 37, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Xu.X., Li.N., PendyY., Liu,F., Qu.J., Song,H., Cheng,Z., Qu.J., Zeng,L., Xu,S., Gh,W., Tu,Y., Jia,J., Fu,G., Ren,S., Zhong,M., Lu,G., Yang,Y., Gu,Y., Chen,Z. and Ham,Z.
HOmo, sapiens (DNA clone)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota: Metazoa; Chordata; Craniata; Vertebrata; Eutéleostomi;
Mammaliu: Eutheriu; Primates: Catarrhini; Hominidae; Homo.
] (bases 1 to 638)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Qlin,B., Wu.T., Huang.Q., Huang,C., Kang,B., Gao,X., Xu,Z., Xiao,H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: hanzgleige.sh.cn
This clone is available at CHGC in Shanghai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      human.
                                                                                                                                        10.6%: Score 222; DH 10: ilarity 100.0%; Pred. No. 2.8e-43; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                      /mote-"Vector: pHluescript sk(-): Site_1: EcoRI: Site_2 XHoI"
                                                                                                                                                                                                                                                                                                                        /tissue_type "corresponding non cancerous liver tissue"
/dev_stage="Adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualitiers
                                                                                                                                                                                                                                                                                                                                                                             /clone-"GLCCSG03"
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GGTCTATGCCCACATACCCACGTTTGTTCGCTTCGCTTGAGTCTTTTTGATTGCTACCTCTAA 125

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                                                                                                       Matches 216;
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                            1929 agateceactadagtgteaaggtgtggaaugaaceaagegaeceaagataggataggeestetga 1988
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                                                                                                                              Local Similarity
7 AGATOCCACTAAAGTGTCAAGGTGTGGAAGGGACTAAGCAACTAAGGATGGGCTATCTGG 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 454)
Hillier.L., Clark.N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Kucaba, F., Le, M., Leumon, G., Matra, M., Farsons, J., Ritkin, L., Kohlfina, L., Soares, M., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wolldmann, P., and Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               N94132 454 bp mRNA ESI u6-APE-1996
za25q06.rl Soares fetal liver spleen ENFLS Homo saprens cDNA clone
IMAGE 254526-55, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: est watson wustl.edu
This clone is available royalty-free through LLNL; contact the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unpublished (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rukaryota: Metazoa, Chordata, Franiata: Vertebrata: Euteleostomi;
Mammalia: Eutheria, Primates; Catarrhini: Hominidae; Homo.
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                                                                                                    Conservative
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                                                                                                                                                                                                                                                               constructed by Bento Soares and M.Fatima Honaldo."
i 120 c 100 q 118 t
                                                                                                                                                                                                                                                                                                                                                                   /lab_bost "DH10H (ampicillin resistant)"
/note "braan: Liver and Spleen: Vector: PTFID (Pharmacia)
/note "braan: Liver and Spleen: Vector: PTFID (Pharmacia)
with a modified polylliker; Site 1: Pac 1: Site 2: Ero RI:
lst strand cDNA was primed with a Pac 1 - olido(d1) Primer
5: AACTGAAAGANTAATAAAAAPTITITTTTTTTTTTTTTTTTTTTTTTT
// double-stranded cDNA was injusted to Ero RI adaptors
(Pharmacia), digested with Pac 1 and cloned into the Pac 1
                                                                                                                                                                                                                                                                                                                and Eco RI sites of the modified p1775 vector. Library went through one round of normalization, library
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism-"Homo sapiens"
/db_xret-"GDB:3801473"
/db_xret "taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /dev_stage="20 week post conception tetus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone_lib-"Soares tetal liver spleen lNELS"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone-"IMAGE:293626"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /sex-"male"
                                                                                                                           10.0%:
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                                                                                                    0: Mismatches
                                                                                                                           Score 214.8; DB 1
Pred. No. i.4e-41;
                                                                                                                                                     DB 11: Length 454.
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                                                                                                    Indels 0;
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Confact: Sundy Clifton, Ph.D.
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WashU-NCI human_EST Project.
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                                                                       This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info*image.llnl.gov) for further information. Possible reversed clone; similarity or wrong strand Seq.primer: -40ml3 fwd. EI from Amersham
                                                                                                                                                                                                                                                                                                                                                                                    Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, Mo 63108
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Contact: Wilson RK
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                                                                                           Genomics Laboratory
Helix Research Institute
1532-4 Yana, Kisarazu, Chiba
Tel: 81-448-52-3951
Fax: 81-448-52-3952
Email: genomics shilos) by Bruail: genomics shilos) by HRI human cDNA project: 5' - 6 3' end one pass sequencind. Helix Research Institute: cDNA library construction: Lepartment of Virology, Institute of Medical Science, University of Tokyo, and
                                                                                                                                                                                                                  Contact: [akao Isoqai
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National Cancer Institute, Cancer Genouse Anatomy Eroject (CGAP).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Funnot Genee Index
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               equipos remail.nih.dov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        was PCR amplified cDNAs from pools of 5,000 clones made from the same 4 thiraries. The pools consisted of L.M.A.G.E. clones 297480 402087, 482642 t87249, 226408 72871, and 725096 73189. Subtraction by Bento Scarces and M. Fattina Jeonaldo."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Equal amounts of plasmid DNA from three normalized
libraries (tetal lung NBHLISW, testis NHI, and B cell
NCI_CRAP_GPHI) were mixed, and so circles were made in
vitro. Following HAP purification, this DNA was used as
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Zelone_lib "Soares_NFL-L_GRC_S1"
Zlab host "DHLUM"
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a modified polylinker; Site 1: Not 1: Site 2: Eco R1;
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JOURNAL
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Best Local Similarity 85.6%;
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                                                                                                                     527 Tqaqqtqoocotttooqqaaqqqoqoottgogaqaaloqooqqaaqaaqacooqqoqacaqttgoo 586
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3-1-11 Koyadai, Isukuba, Ibaraki 305-0074, Japan
T-1: 81-298-36-9145
Fax: 81-298-36-9098
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Carninci, P., Shibata, K., Okawa, Y., Konno, H., Itoh, M., Aizawa, K., Akahira, S., Akiyama, T., Fukuda, S., Fokunishi, Y., Funayama, T., Hara A., Hayatsu, N., Hoi, F., Fukuda, T., Itoh, M., Izawa, M., Kawai, J., Kikuchi, N., Kojima, Y., Matsuyama, T., Niitsuma, H., Oda, H., Owa, C., Sato, K., Shibata, Y., Shiqemoto, Y., Shiraki, T., Soyabe, Y., Suqahara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: denome-resette.riken.go.jp
Thermostabilization and thermoctivation of thermolabile enzymes by
trebalose and its application for the synthesis of full length cDNA
(Proc. Natl. Acad. Sci. U.S.A. 95(2):520-524 (1998))
Transcriptional sequencing: A method for DNA sequencing using RNA
polymerase (Proc. Natl. Acad. Sci. U.S.A. 95(7):4455-3460 (1998))
Please visit our web site (http://genome.rtc.riken.go.jp) for
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AV108557.1 G1:5256105
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/dev_stage "]3-day embryo"
a 60 c 69 q 38 t
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/strain "C57BL/6J"
/db_xref+"taxon:10090"
/clone="2510047D01"
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Pred. No. 1.1e-29;
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